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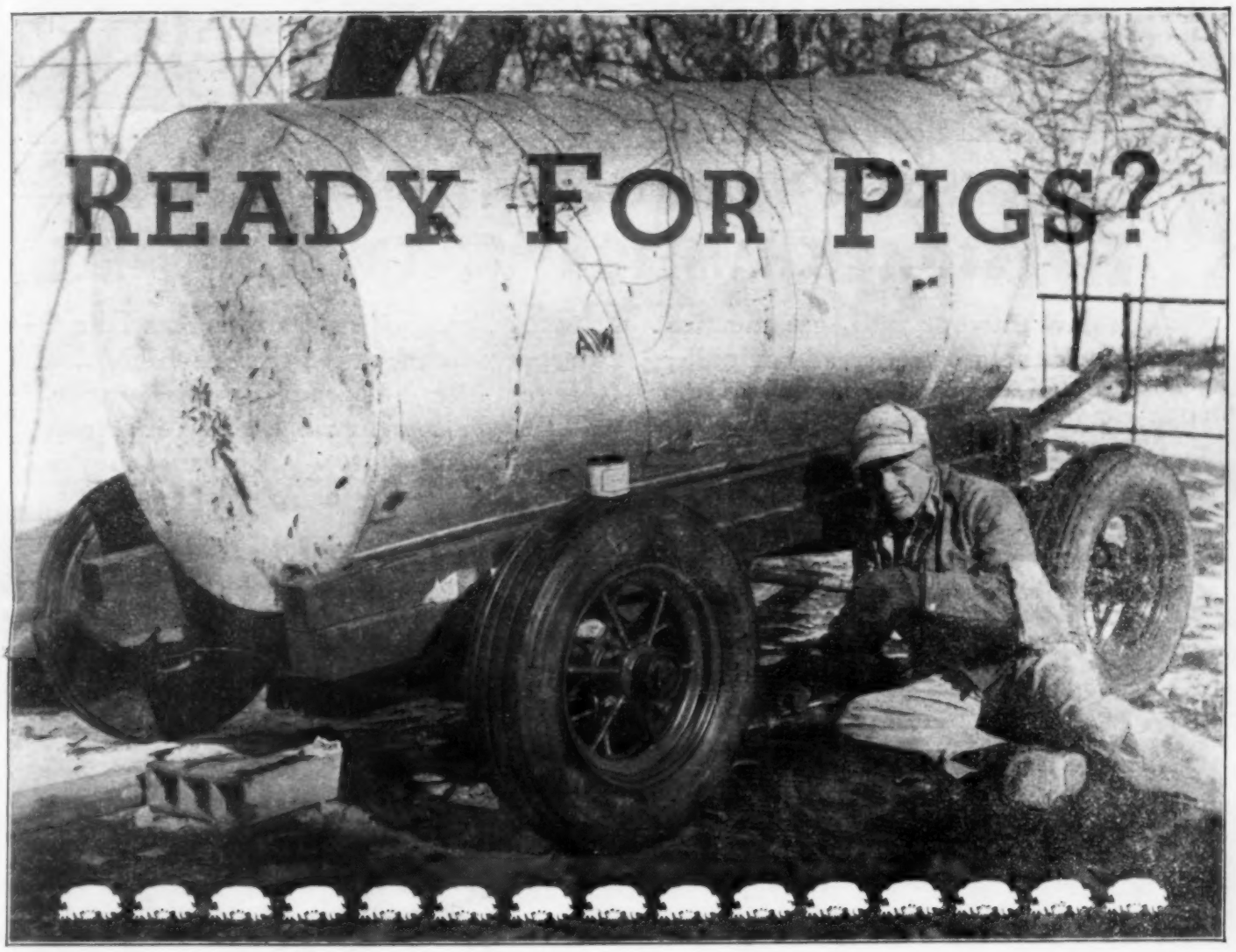
WALLACES' FARMER AND Iowa Homestead

Good Farming *Clear Thinking* *Right Living*



Virgil Nehls, Crawford county, Iowa, is building two trailers like this. Each carries a 550-gallon tank, to which hog waterers will be attached. Spring pigs will get plenty of water and the big tanks will reduce number of trips to field.

Long Rides On School Bus?. Page 8

Dairymen Test Own Cows . Page 20

We're Tired Of Mud Roads. Page 22

Acreage Controls Again? . . Page 26

LOTS of farmers want to hustle their pigs along and hit the early fall market. Some will have "good luck"; others may not make it.

Experienced hog raisers say it helps to have your equipment ready. You avoid the rush of spring work later.

They know lack of brooders or heat bulbs in a few pens can cost pigs. Lack of feeder and waterer space holds down gains.

If you wait, farrowing time may get close, and a stormy spell prevent cleaning and disinfecting farrowing pens. So do the job on the first nice day. A number of hog raisers give other suggestions and ideas on page 5.

FEBRUARY 5, 1949

IOWA'S LEADING FARM NEWSPAPER

Firestone OFFERS THREE POSITIVE WAYS TO GET MORE DRAWBAR PULL FROM YOUR TRACTOR

1 EQUIP YOUR TRACTOR WITH Firestone CHAMPION GROUND GRIP TRACTOR TIRES

For greater drawbar pull, get the tires that deliver the greatest tread bar pull—Firestone Champions. It's no wonder they OUTpull all other tractor tires. One look at the tread bars is enough to tell why this tire outperforms all other tires.

Anyone can see that these bars take a *deeper bite* because they're higher, a *bigger bite* because they're longer, a *stronger bite* because they're Triple-Braced, and a *sharper bite* because they're especially curved for self-cleaning.

2 HAVE YOUR TIRES HYDRO-FLATED

Firestone Hydro-Flation insures the right liquid-air ratio for maximum traction. You get enough liquid weight to insure maximum drawbar pull, enough air cushion to protect your tires against dangerous body shocks.

3 INFLATE YOUR TIRES TO 12 POUNDS

By using only 12 pounds pressure, the whole tread is in full contact with the ground for greater drawbar pull. You can do this safely with Firestone Champion Ground Grip Tractor Tires because the sidewalls are reinforced for low-pressure operation.

THE FIRESTONE TIRE & RUBBER COMPANY

AKRON, OHIO • MEMPHIS, TENNESSEE • LOS ANGELES, CALIFORNIA

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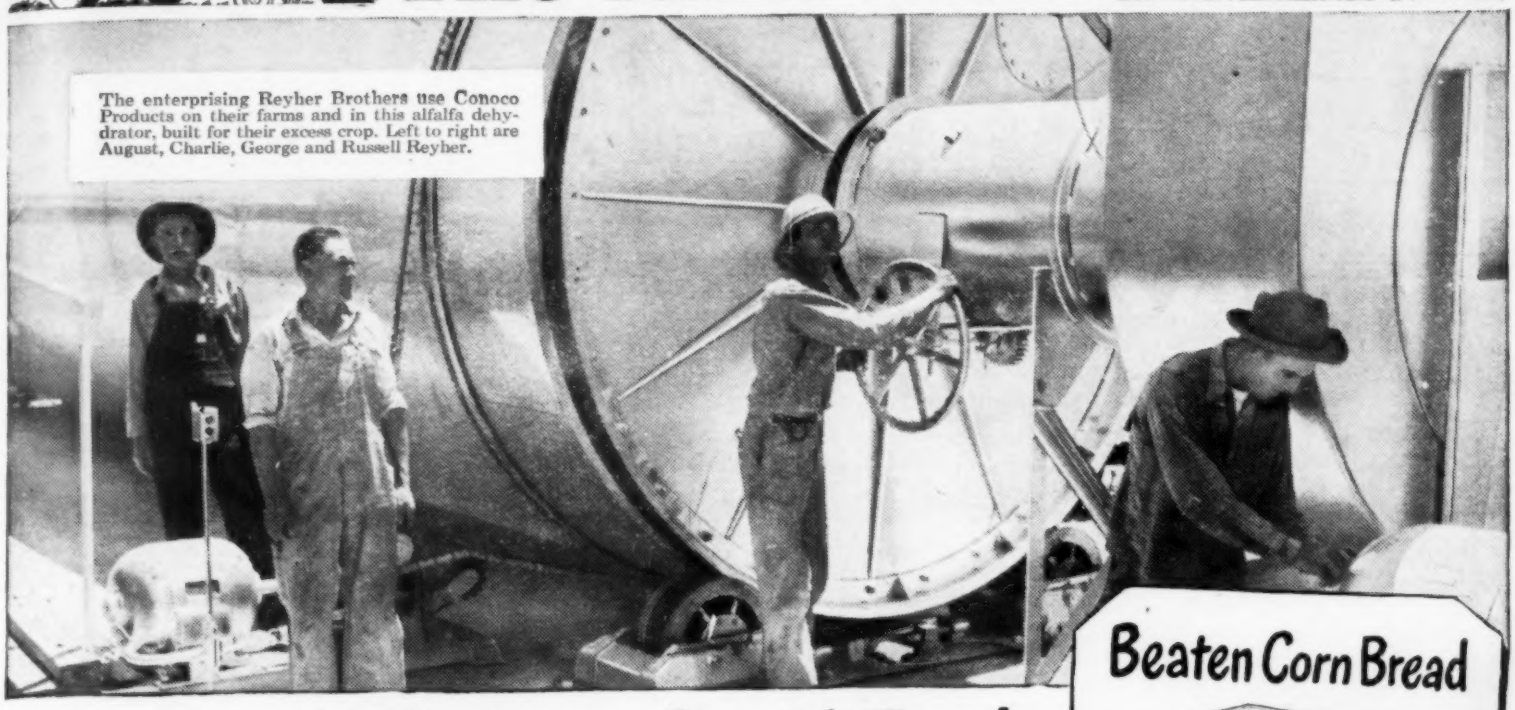
The Tank Truck



The enterprising Reyher Brothers use Conoco Products on their farms and in this alfalfa dehydrator, built for their excess crop. Left to right are August, Charlie, George and Russell Reyher.

More than Turkeys Could Eat!

The problem facing the Reyher Brothers was what to do with all that alfalfa. There they were—raising turkeys by the tens of thousands—and suddenly they had far more *alfalfa* on their farms than they knew what to do with.

The brothers, Charlie and George Reyher, have for years prosperously farmed in the Arkansas River valley near McClave, Colo. Turkeys for holiday dinner tables were their chief crop—Charlie has grown as many as 32,000 in a single year. To develop these birds, The Reyhers raised their own feed—alfalfa, corn, barley and wheat. But then the alfalfa fields began to produce far more than was needed just for their own feedings.

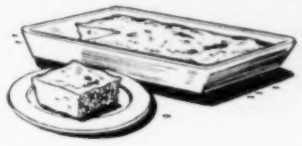
With the familiar enterprise of all American farmers, the Reyhers set to work to do something about it. They built *their own* alfalfa dehydrator.

"When we started farming." George Reyher reports, "we were using several different kinds of oils. We had *one* tractor that used *Conoco's* oils and greases, and we found that the *repair bills* for this tractor *were 75 per cent less* than for any of the other tractors!

"That experience . . . taught us a darn good lesson. . . . *When we can cut our repair bills 75 per cent by using Conoco Nth Motor Oil and Conoco Greases, that's a sound investment.*"

Using Conoco Nth Motor Oil can be a sound investment for *you*, too! Because there's an exclusive *added* ingredient in Conoco Nth that fastens an *extra* film of lubricant right to the working parts of tractor and truck engines—actually OIL-PLATES them. This OIL-PLATING protects engines from metal-eating combustion acids—from carbon and sludge due to wear. Change to Conoco Nth Motor Oil—and *save!*

Beaten Corn Bread



. . . By Mrs. A. C. Lindsay, San Antonio, Tex.

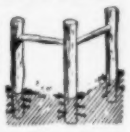
1¼ cups corn meal
1 t. salt
3 T. butter, melted
1 cup sweet milk
2 eggs, well beaten
2½ t. baking powder
1 cup boiling water

Mix cornmeal, salt and melted butter in mixing bowl. Add boiling water, beating vigorously as added. Continue to beat until smoothly blended. Cool to lukewarm, beating occasionally to cool evenly. Blend milk and beaten eggs, and stir in: then beat again. Sprinkle baking powder over top, and beat sufficiently to blend. Bake in well greased 8" x 8" x 2" pan in 350° F. oven 45 minutes. Cut into squares and serve hot.

Send your favorite recipes to Mrs. Annie Lee Wheeler, Conoco Cafeteria, Ponca City, Okla. Get a $7.50 pair of genuine Wiss Pinking Shears for each recipe printed here with your name. If duplicates are received, the one selected will be determined by Mrs. Wheeler. All recipes become property of Continental Oil Company.

FARM KITCHEN

Fence Post Fasteners!



Used harrow teeth, set into the base of fence posts, will keep the posts from pulling out, according to Chas. E. Newman, R. 1, Minco, Okla.

Galoshes Markers!

Do your youngsters lose their galoshes? Mark them the way suggested by A. J. Rosenbaum, Charlo, Mont.—cut an initial in a tire tube patch —"patch" it to the rubber.

PRIZES FOR IDEAS!

Send your original ideas to *The Tank Truck* in care of this paper—and get a genuine $8 D-15 Henry Disston Hand Saw for every idea that's printed!

Best For Every Farm Use!

"I can recommend Conoco oils and greases as the best for *all* farm purposes," says Bert Wynn, R. 2, Lamar, Mo. "I own and operate 350 acres of Barton County land, and have used Conoco Products for the last 10 years. I have a 12-year-old Allis-Chalmers WC that has been used early and late—has had lots of hard service. . . . We have *never* had any trouble with the transmission or differential of this tractor. I am well pleased, too, with the service I get from Conoco Agent Guy Ross of Lamar." Why don't *you* take a tip from Mr. Wynn—change, *now*, to Conoco Products—"*The Best for All Farm Purposes.*"

Nth Always on the Job!

It's surprising how many farmers take the time to write in about the good service they get from Conoco Products. Like this letter from Carl S. Thorne, Lehigh, Iowa. "Dear Sirs:" he writes, "Just a word about the Conoco Products supplied me through Ivan Skoglund, your Conoco Jobber out of Dayton, Iowa. I operate 2 Farmall tractors, combine, corn-picker, plow, and disc, and have a 1936 Plymouth. . . . Conoco Nth Motor Oil's OIL-PLATING—always on the job, day and night, summer and winter—has kept my tractors running in *perfect* condition at all times."

CONOCO

YOUR CONOCO AGENT

Moorman research scores again!

Exclusive MOORMAN combination of new protein, vitamin and mineral ingredients creates

CHICK STARTER

with

AMAZING GROWTH-POWER!

How modern science uses post-war products in a great new feed—
MOORMAN'S CHICK MINTRATE

MoorMan scientists have discovered a way to use such new products as penicillium meal, butyl fermentation solubles and condensed fish solubles—with other highly nutritious ingredients—in a feed that has sensational growth-power for baby chicks. Tests prove it produces thrifty, well-developed 3¼- to 3½-lb. birds 2, 3 or more weeks sooner than the average starting ration.

This new chick starter—MoorMan's Chick Mintrate—a 43% protein concentrate—contains 7 balanced proteins—is extra rich in animal and sea-food proteins. It is jam-packed with vitamins—contains a new stabilized Vitamin A, also Vitamins D and G (riboflavin) and others of the B complex group such as niacin and choline—PLUS MoorMan's famous Poultry Minerals, containing 13 ingredients.

EXCLUSIVE MoorMan's Chick Mintrate is low in cost per pound of gain because there's nothing else to buy—this means low out-of-pocket cost. It's convenient—simply mix Chick Mintrate with your own grain . . . it gets chicks off to a fast, thrifty start . . . produces strong, quick maturing birds. To start your chicks extra fast, and to keep them growing, order highly concentrated Chick Mintrate—with amazing growth-power—from your MoorMan Man, or write, Moorman Mfg. Co., Dept. S-2, Quincy, Ill.

MoorMan's

Since 1885

HIGH QUALITY MINERAL AND PROTEIN FEEDS
CUSTOM-MADE FOR SPECIFIC NEEDS

One Job which you can't avoid if you are handling a bunch of 53 gilts, is the proper preparation of the feed they are getting. Here, Tom Burns, Clay county, Iowa, is shown grinding a mixture of oats, shelled corn and third-cutting alfalfa meal for his sows.

Like neighbors everywhere, Fred Ludwig and Fred Dubbert, Pocahontas county, Iowa, have to discuss merits of Dubbert's gilts.

More Pork Per Litter

Getting Your Hog Equipment In Shape Now Will Save Time and Pigs Later On

"I DON'T know that I do anything special to get ready for spring pigs," one farmer said. Then he stopped to think.

His sows will farrow this month. Yes, last fall he dug a barrel of "clean" sod, so he would have that anemia preventive on hand, even if the ground was frozen.

Already, he'd scrubbed and cleaned his farrowing houses, lined them up on new ground, and run wires out to them so heat bulbs could be used.

He had done quite a lot, and did not realize it.

"Yes, and here's the biggest thing I do," he said. He stepped over into the pen, scratched a couple of gilts behind the ears, and rubbed a few more.

"I make friends with them, and I can go right in the pen at farrowing time. That saves many a pig," he said.

Fred Dubbert, Pocahontas county, Iowa, made another suggestion: "Be sure to clean your portable houses while on the old ground. Don't haul them to the new field and then scrub them," he said.

He and Fred Ludwig, his neighbor, were wishing for some kind of a portable steam-cleaning outfit. Then they could really sterilize their pens and hog houses.

Dubbert will have 45 Duroc-Poland-Hampshire crossbred gilts farrow in two bunches. Those gilts go to the corn field about every day, even in below-zero weather.

Virgil Nehls, of Crawford county, Iowa, thinks he has the water situation licked. He's built two 550-gallon tank wagons. Two hog waterers are fastened to each tank.

Busy farming a half-section alone, the fewer trips he has to make hauling water to the hog pasture, the more time he has to plant corn.

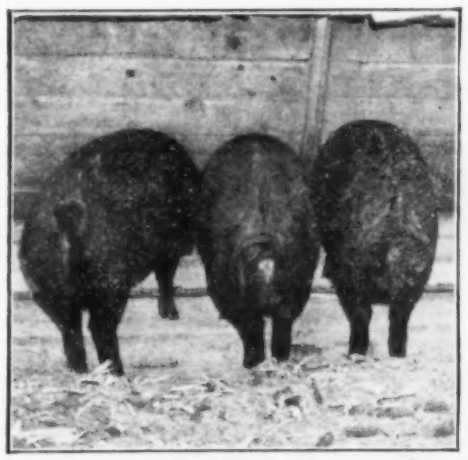
"I like early pigs because I can give them the extra attention they need when they are little. Then, by the time the field work starts, I don't have to spend so much time with them," Nehls says.

"I still have to check over my brooders and clean up the farrowing house," he says. It's a good idea to make sure the brooders or heat bulbs are all on hand and in good shape. And to check the wiring to see that it is safe and ready to go.

Being short a couple of brooders or heat bulbs could cost you a few pigs some stormy night. Get what you need ahead of time.

Tom Burns and his son Robert, Clay county, Iowa, have 53 gilts to farrow the middle of March. Robert is busy building brooders now.

"Getting brooders built, wired up and installed is a good winter-time job," he says.



Right here's the place that makes your pig crop. Be sure your sows get a bulky grain ration, not too much corn, plenty of alfalfa meal. Provide minerals, salt, a complete supplement, lots of fresh water and exercise. These Durocs belong to George Heikens, Clay county, Iowa.

There are a lot of other things to check. Be sure you have plenty of feeder and waterer space. You ought to have one ordinary waterer for every 25 growing pigs; figure three pigs to each foot of feeder space.

Melvin Jensen, Clay county, Iowa, also has a barrel of sod in a shed near his hog house. He has a few bales of straw piled overhead in the hog house. He may want some dry bedding during bad weather; if he does, he won't have to haul it.

He has a system in his central hog house so he can let sows out for feed and exercise, and keep the pigs in the pen. He does that for the first few days.

Sometime before farrowing, you may want to bank portable houses with baled straw. Or build some plank floors.

Many farmers, like Don Maxwell, of Washington county, Iowa, or George Heikens, Clay county, Iowa, use board floors in front of their portable farrowing houses, when pigs are young.

These floors keep the sow and pigs up out of the mud; you can keep the floors clean; with a little care such floors last for years. The boards Maxwell uses are all 11 or 12 years old.

Often, water is a problem until sows and pigs can go on pasture. A sow nursing a husky litter of pigs may not drink enough if you just give her a little in a pan, twice a day.

Jensen already has an automatic waterer in his farrowing house. Others move a barrel-type waterer in one end of the house and let the sows run to it. Don't forget a creep for the baby pigs, either.

Men who consistently have "good luck" with hogs like to get a lot of these things done during the winter. They have had the experience of letting the job go and then losing some pigs or having a poor-doing bunch.

There are a lot of signs that seem to advise pushing pigs to market fast in 1949. A little planning and "getting ready" may help speed the pigs along.

The bigger the pigs are at weaning time, the sooner they will be ready for market.

Editorials

Can We End "Cold War" With Russia?

THE job of hog raisers is to raise hogs. The job of diplomats is to settle disputes. Now we have a new man at the head of our diplomatic force. We'll see what Secretary Acheson can do.

Maybe it is time to see if a peace treaty can not be drawn up in the "cold war" between the United States and Russia. This row is costing us plenty. We are spending 15 billion dollars a year for the armed services and six billion in help to Europe.

The Russians are hard to deal with. But, apparently, they don't want a war now. Neither do we.

President Truman has indicated that he wants to see what can be done in reaching an agreement that will cut friction and expense. With those orders, Acheson is going ahead.

Every farmer will hope that we can at least turn the "cold war" into a truce. Cold wars turn hot too easily.

Send More Oils and Fats To Europe

PRICES of all oils and fats — lard, soybean oil, inedible grease, etc. —are low. Yet Europe's need for fats in the ration and for soap is still great.

Wouldn't this be a good time to increase export allocations of all oils and fats?

The administration has been holding down these export allocations to make sure that the American consumer got all the fats and soap he wanted. That job has been pretty well done. Supplies are large, and prices have dropped.

It is time to let exports increase again.

What's He Doing?

Grandpa knows. So does 'most everybody else today. But in a few years, how many will recognize the characteristic pose of this Iowa farmer with lines in his hand?

In Iowa, in 1946, 98 per cent of the plowing, 97 per cent of the disking, 93 per cent of the harrowing and 97 per cent of drilling of small grain were handled by machines pulled by tractors. Corn planting was still a horse job, with more than half being planted by horse-drawn planters.

In 1949, what per cent of the power on Iowa farms will be furnished by horses? Corn planting has been taken over by the tractor now. What's left for horse power?

Need Credit To Start Out Farming

DO FARMERS need any more loans than can be furnished by the banks or by the PCA's? We asked our readers that question in a recent issue.

Here is one answer: "I started farming for myself in 1947, on a shoe-string. You know what kind of a year that was. Last year was better, but I was farming in one of those spots that missed a couple of showers when they were needed badly.

"I think I can pull thru, but the banks don't. The PCA isn't interested. And the FHA is out of funds. What do I do next?"

Unless a beginning farmer has a relative to give him a start, it is pretty hard to get enough equipment and stock unless somebody will make an old-fashioned "character loan."

Which agency is willing to do this? A few banks do it, but not many. Most PCA's like loans that are easier to handle. This kind of loan is the business of the Farmers Home Administration, but it never has enough money to lend.

The agricultural ladder, from farmhand to tenant to owner, won't work unless somebody furnishes credit for that second rung. Who should do it?

We'll Need Lots Of Corn Cribs

IF congress supports a billion-bushel corn reserve, it means a lot of crib building and buying in 1949. One suggestion to make it easier for farmers is this:

Let the farmer who builds or buys a new crib deduct one-fifth of the cost, as depreciation, from his gross income each year when he pays income tax. Since a good crib has a life of 15 to 25 years, this would help a lot.

If Your Hogs Sold At $3.24?

Prices Dropped That Low for the Citrus Men. There's a Moral for the Corn Belt

IF ANY farmer thinks his prices have dropped, look at California, Florida and Texas. Citrus growers have really taken a beating.

In November, 1948, oranges—at farm shipping points—were 18 per cent of parity. Grapefruit were 17 per cent.

Think what hogs would be at 18 per cent of parity! Just $3.24 a hundred!

But why should a corn belt farmer worry about the troubles of citrus growers? We get plenty of oranges and grapefruit—and much cheaper than usual.

The trouble is that what has happened to citrus growers could happen to other farmers. We've had surpluses in the corn belt, too. And low prices.

There may be a moral for corn belt farmers here. Let's see what happened. Take orange and grapefruit production:

(In millions of boxes)

	1937-46	1946	1947	1948
California ...	51.6	56.6	46.7	45.9
Florida	60.4	82.7	91.4	95.0
Texas	20.7	28.3	28.4	23.7

Are citrus growers really producing too many oranges and grapefruit? Yes, if you're talking about the market. No, if you're talking about what people need in the diet.

Every study of nutrition shows that the nation needs more protective foods like citrus fruits. Grapefruit and oranges are high in Vitamin C. Many rations are low in this vitamin.

WITH high-level employment and good diets, Dr. John D. Black estimates that production of tomatoes and citrus fruits, by 1950, should go up 66 per cent from the 1935-39 base.

In terms of real needs and of population growth, we aren't overproducing citrus fruits. But that doesn't help growers.

What can be done? One notion is to control production. This is hard for oranges and grapefruit. When you cut down the groves, you wipe out the work of years.

Actually, two things have happened to help since the low November price. One is the California freeze. That has cut production and sent prices up.

Another is a change in marketing. Frozen fruit juice is apparently a new way to market citrus juice without loss of flavor or vitamin content. The market for fruit juice may expand.

WHAT else? This is where corn belt dairymen begin to get interested. If we produced all the milk the nation requires, how would it be distributed?

High pay rolls, evenly distributed, would help. But there are lots of folks who don't get much pay, even in good times. Should their children be allowed to grow up with deficiency diseases?

It would pay the nation to see that every child gets all the fruit and milk needed for healthful growth. To help citrus growers now, it would make sense to expand the school lunch program so as to make sure that surplus oranges and grapefruit get to children who need them.

The corn belt should think hard about using school lunches and food stamps to meet the crisis in citrus fruits.

The citrus growers' problem may, in the long run, be ours, too. If we can handle it for citrus fruits now, we may handle it better when trouble hits our own lines.

How Badly Do We Want Better Schools?

IN ANY discussion on the reorganization of our country schools, this fact often is overlooked:

Farm people themselves must decide how badly they want bettter education for their children.

Better schools cost money. Many farmers have discovered that consolidation, with better teachers, buildings and equipment, usually means higher school taxes.

There is a real argument for giving farm people financial help in raising school standards. Many farm youngsters end up in towns and cities. Better education for them benefits society as a whole.

But there's another important angle to the problem. Read the story on page 8. It tells how a majority of farm folks feel that about 10 miles is as far as a youngster should have to go to school.

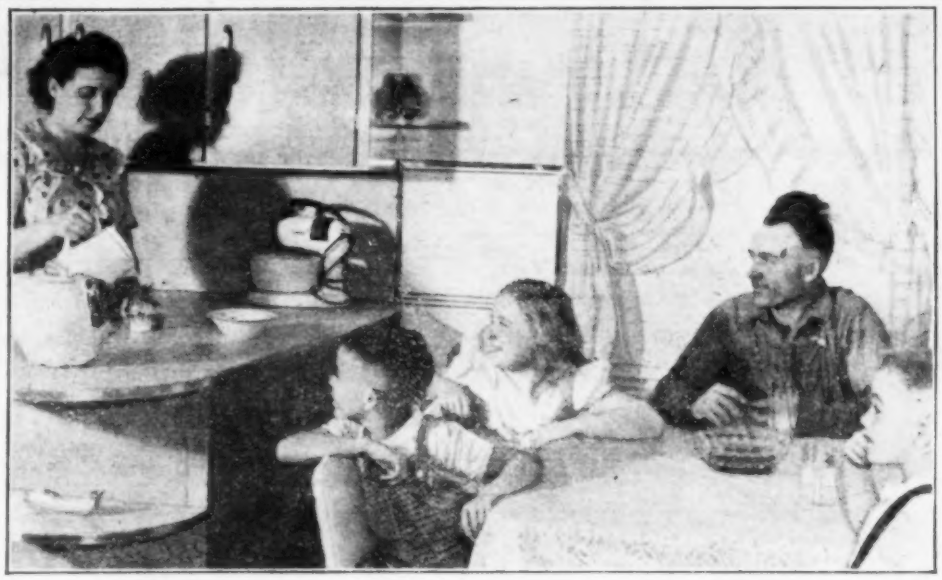
Yet workers in the state department of public instruction say this: A good grade school is one that has not more than one grade per teacher; a good high school is one that has at least 250 pupils and at least 10 teachers.

In many parts of Iowa, we can never have schools like that unless parents are willing to send their children more than 10 miles to school.

Which would give you the biggest thrill: Watching your youngster come home from a one-teacher school a mile or so down the road? Or knowing that he's getting a multiple-teacher, well-equipped schooling the equal of that available to city children—even tho it's dark when he gets home?

Right here, some farmer is bound to say: "We send our boy on a two-hour trip, and I wonder if he gets any more education than he did at the old one-room school."

He probably does. But we have to keep watching to make sure that the bigger schools really teach more. They usually do—but not always.



How'd You Like this kind of farm kitchen? It's in the new, modern home of Mr. and Mrs. Wayne Ogren, Sac county, Iowa. Here's the family in the breakfast nook, to show how handy everything is to the working part of the kitchen. Mrs. Ogren serves Bill, 6, Janice, 8, Mr. Ogren and Danny, 4, from behind the service counter.

Odds *and* Ends

IF HOG prices are going to strengthen, it will have to be soon. Those fall pigs will be coming to market in April.

MORE cattle on feed may mean more beef this summer, and not quite such good summer hog prices.

PREDICTIONS last December were for a mild slump in business in the first quarter of the year, followed by a revival in the second quarter.

UNEMPLOYMENT is rising a little. Consumer pocketbooks are a little thinner. Hunger for chops and steaks is a little weaker.

THIS is the month when farmers try to figure whether to sell those extra bred sows or hold them for farrowing. If they'll farrow any time up to May 15, better hold them.

LAST September, Wallaces' Farmer and Iowa Homestead asked Iowa's candidates for congress what they planned to do about fixing up the CCC charter so the government could build more bins for corn.

REPRESENTATIVE Hoeven answered promptly that he would introduce an amendment as soon as the new congress met. His bill was introduced January 19. It provides that Commodity Credit "may acquire and hold such real and personal property as may be necessary for the transaction of its business."

LARD prices may improve, but until they do, don't take a chance on heavy hogs. Watch the market closely on this. If oil and fat exports increase sharply, lard and heavy hogs will look better.

EGGS have a support price of 35 cents a dozen in the middle-west. Last year, the government only had to buy 1.7 per cent of total production to keep prices at support levels.

MILK production per cow is high because farmers are feeding better and because a lot of poor cows were sold off for beef.

IN ARGUING over support prices, don't forget that we haven't yet found out how to make support prices stick. Buying pork and eggs on the market won't do it if sales get heavy.

ONE way would be to let the market price drop and make up the difference in a cash payment. Some farmers don't like this, but they might like less a support price that sagged 20 per cent below what it was supposed to be.

Song of the Lazy Farmer

WHEN temperatures get down below a chilly ten degrees or so, and snow piles up against the shed almost as high as my bald head, then there is just one place for me, and that's beside the stove, by gee. There's no sense shortenin' my life, when wind is biting like a knife, by rammin' 'round out in the cold pretendin' I ain't getting old. Cold weather stiffens up my back but lots of heat will keep it slack; so it's insane to leave this spot for anywhere that ain't as hot. Besides, a snow scene has more class when it is seen thru window glass.

So let poor neighbor haul his hay and work at chores 'most all the day, I do not care how rich he's got, I'd rather be just poor and hot; he's not as smart as some folks say, or else, like me, he'd find a way to farm without no winter chores so he could spend more time indoors. In winter I don't keep more stock, or any bigger chicken flock, than my Mirandy can keep fed while I avoid colds in my head. That system works out very neat, it lets me sit here by the heat whenever there is snow and ice, or loaf in town when weather's nice.

Five Miles is a great enough distance for a child to go to high school, says Mrs. Clarence Egan, Iowa farm woman.

He Knows about getting children to school. Here is W. M. Michelson, Crawford county, Iowa, with a carload. Michelson says five miles is far enough away for a high school, and that a round trip of 10 miles is as much as grade children should have to go.

When You Ride A School Bus

HOW many miles would you be willing to have your high school boy or girl ride to get to a good school? And how far should a child in grade school ride on a bus?

That was what the Wallace-Homestead Poll asked a representative cross-section of Iowa farm people recently.

Some farmers asked another question back at us: "How good is the school? We would send Willie 30 miles to a good high school, but we might complain about sending him 20 to a poor one."

In reorganizing school districts, many farmers will have to decide whether a better school is worth five miles more travel, or 10 miles, or how much.

Other things being equal, most farmers think 10 miles is plenty far to drive to high school. And most think five to 10 miles is long enough for a round trip to grade school.

If reorganized districts demand longer trips than these, they'll have to prove to farmers that the bigger and more distant schools are really a lot better than the old nearby schools.

Fathers and mothers are about equally concerned over the distance to school. Mother may be thinking about the health of the children, and father about help at chore-time; but they vote the same.

Farm people who have been thru high school (and who apparently liked it) are more willing to have their children drive long distances to school. While only 5 per cent of grade school graduates favored a high school 20 miles away, 10 per cent of farm people who had attended high school thought this distance might be all right.

Older people who grew up with the nearby school were more inclined to discourage long bus trips than younger ones. Even tho it is the younger ones who have children of school age now.

How far a child should ride to school depends not only on how good the school is, but also on how good the roads are.

A farm mother in Johnson county said: "Before they talk of larger school units, this county had better build some roads. Last spring, our gravel roads were in such poor shape we couldn't get thru them without being pulled out by tractors."

In Adair county, a farm operator said: "Changes of this kind depend a lot on roads, what kind of buses you have, et."

And in Audubon county, a farmer had this comment: "Before consolidation, this county is going to need more graveled or oiled roads. Consolidation isn't satisfactory for kids out on mud roads. The bus doesn't get there, and the kids don't get to school."

Here are other comments on what is a hot issue out in the country:

"Keep country schools. I never had any high-schooling, and can stand up to most of them."—Farmer, Tama County.

"I think 10 miles is too far for children to ride to school."—Farm Woman, Union County.

"I don't go with any plan where youngsters have to get out at 7 a. m. in the winter and then ride two hours to school."—

"Circuits can be too long. We live near school, but the children ride a long, long way."—Tama County.

"It's hard to have good schools with less than a 10-mile radius. Long bus trips cut extra-curricular activities, tho."—Appanoose County.

What do other farm people think about redistricting, distance to school, etc.? Short letters on this subject will be welcomed. Address, Voice of the Farm, Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa.

How Far To A Good School?

THE WALLACE-HOMESTEAD POLL ASKED:

"There is talk of consolidating our present high schools into still larger units. What is the maximum distance you would want such a high school to be located from your home?"

(1)—10 miles	73%	(4)—25 miles	2%
(2)—15 miles	18%	(5)—30 miles	0
(3)—20 miles	7%	(6)—35 miles	0

"Many grade school children have long rides on a school bus. What is the maximum distance you think grade pupils should should have to ride on a school bus?"

(1)— 5 miles	20%	(4)—25 miles	7%
(2)—10 miles	44%	(5)—30 miles	1%
(3)—20 miles	28%	(6)—35 miles	0

Milk By The Yard

BACK in the early days of World War II, a northwest Iowa creamery manager watched buttermilk going down the drain, and figured that something ought to be done about it.

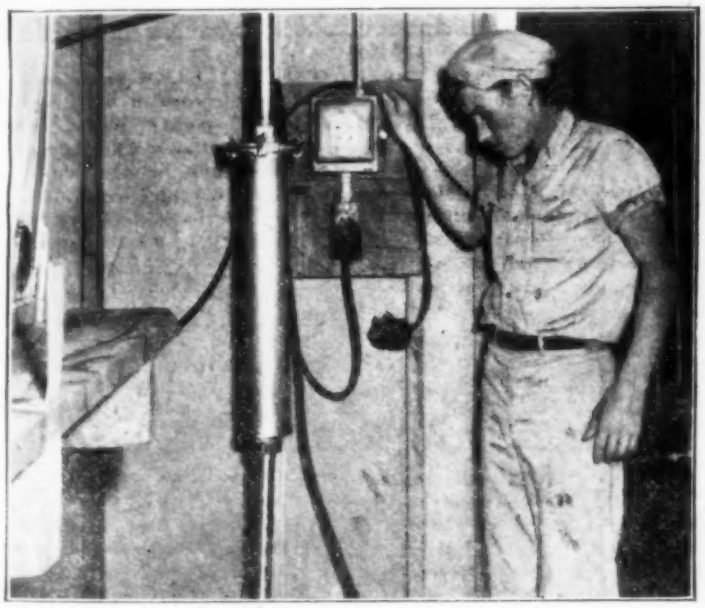
So, in August, 1944, the Tri-County Cooperative Drying Association began operations at Whittemore, in Kossuth county.

Today, the association collects, dries and powders buttermilk from 23 creameries in seven northwest Iowa counties. On busy days, the Whittemore plant turns out nearly two and one-half tons of powder, for both human and animal consumption.

The cooperative's three trucks cover close to 5,000 miles each week. During the spring rush, they haul as much as 7,500 gallons of buttermilk to the driers.

The liquid is heated, then dried under steam pressure on two huge drums, each of which has a drying capacity of 294 gallons per hour.

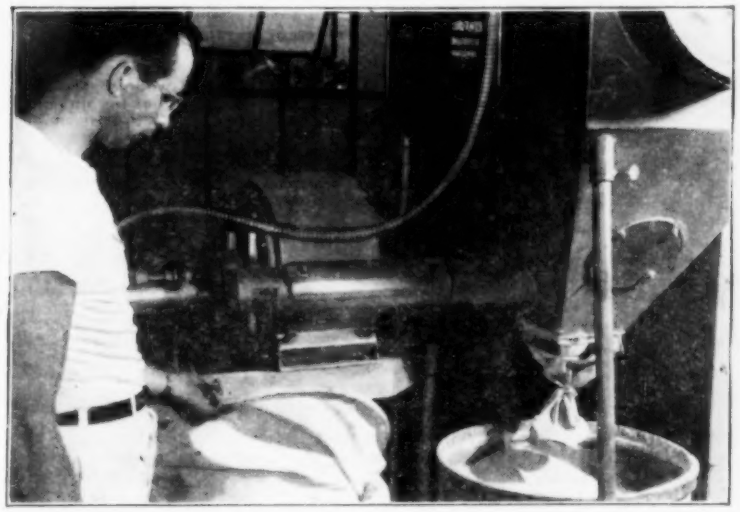
Shipped to the State Brand Creamery at Mason City, the powder brings in a nice piece of extra change for creameries holding membership in the drying association.



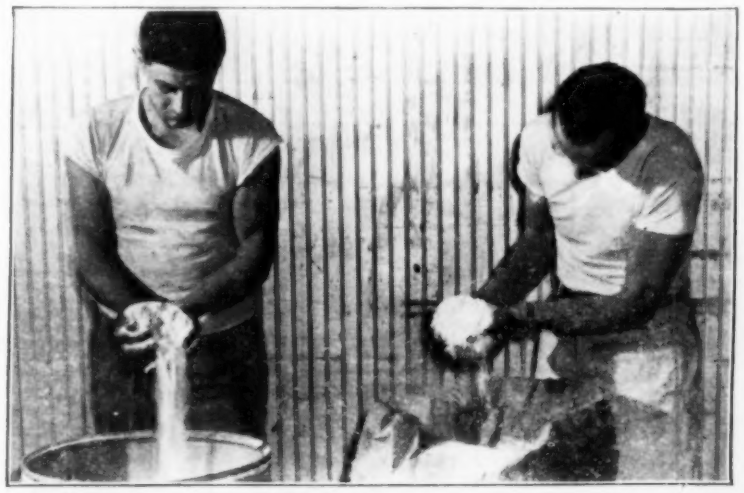
1 Buttermilk from 23 northwest Iowa creameries is dried and powdered by co-op plant at Whittemore. Here Trucker Don Higgins pumps milk from truck to storage tanks.

2 Sheets of dried milk come off the drum under the watchful eye of Ralph Nichols, manager of the Tri-County Drying Association. Choppers turn the sheets of milk into powder.

3 It's Not cloth, but dried buttermilk, that streams off drying drum at co-op powder plant in Kossuth county, Iowa. The plant processes buttermilk that once went down creamery drains.



4 Chopper grinds buttermilk flakes into powder, dumps it into barrels for shipment to Mason City. The low-quality powder makes livestock feed, better stuff is for human consumption.



5 Powdered buttermilk at right is for human use, is sold for $31.25 per barrel. Burnt and off-flavor powder is packed in open containers (left). It brings $10.50 as livestock feed.

New! All-Purpose, All-Season

CENTURY FARM SPRAYER

with Exclusive MASTER Control Panel (Patent applied for) For Faster, Easier, Safer Spraying Operates from Tractor Seat

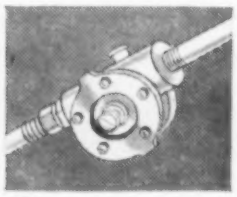
Does Every Spraying Job . . . Faster, Safer, Easier!

Here it is! The most efficient low-gallonage, all purpose farm sprayer ever built. Saves time, money and work during your busiest season because it's easier to attach . . . sprays *more* acres without refilling . . . permits instant control of spray nine different ways with only one lever, from tractor seat!

Don't wait . . . come in today. See the new Century . . . work the controls yourself. See how *one lever* on the Master Control gives you 9 different spray combinations for spraying irregular fields, fence rows, etc. See how boom arms raise, lower or lock in position instantly with just a tug on the elevator rope. See for yourself the rugged construction that means years of satisfactory service. Buy your Century Sprayer with confidence. Century is manufactured by a company with 25 years of experience. Replacement parts always available . . . written guarantee with every sprayer. Buy your Century now . . . cut costs, cut work and improve weed and pest control on your farm, this season!

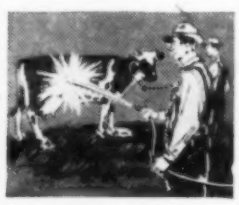
ATTACHES TO TRACTOR QUICKLY AND EASILY

Century Sprayer can be attached easily to tractor in a few minutes. Saves time and labor. Mounting brackets securely lock to tractor axle by two husky "U" bolts, with two braces to the drawbar. Merely slide spray unit on and lock in place with four bolts. Brackets fully adjustable to tractor requirements.



HEAVY DUTY GEAR PUMP VOLUME UP TO 480 G.P.H.

Big, husky, gear-type pump for dependable operation without servicing headaches. Gives any pressure up to 300 lbs. . . . volume up to 480 gallons per hour . . . plenty of gallonage and pressure for effective spraying. Pump drives direct from tractor power take-off. Provides fully adequate agitation of the liquid.



ALL PURPOSE USE . . . ALL YEAR 'ROUND

You can use your Century sprayer all year 'round . . . year after year . . . to control weeds and pests and for many other uses. Does every spray job faster, easier, safer; sprays crops for weed and pest control; sprays livestock, buildings, cribs, bins, roadsides, fruit trees, etc.

EASIEST CLEANING

Interchangeable tanks eliminate tank cleaning. Flushing control provided in Master Control for automatic flushing of entire unit. Boom pipes and tanks hot-dipped galvanized, inside and out, for protection against rust, corrosion.

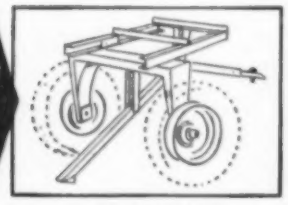
EASIER OPERATION

21 ft. boom (covers 6 rows) in 3 independent sections, each with separate feed line. Operated by 9-way, one-lever Master Control valve from tractor seat. Boom arms raised, lowered, locked in any position, in seconds, without stopping or leaving tractor seat.

THREE-WAY FILTERING

Field tests prove that Century's new 3-way filtering of spray liquid gives you greater protection against nozzle-clogging. More than 100 sq. in. of filtering surface. All strainers are brass for protection against rust and corrosion.

Your Sprayer is Ready for Instant use with a CENTURY TRAILER



Another exclusive Century feature! The *same* spray unit shown above on tractor can be used on trailer or truck as well. Convert to trailer or skid model sprayer at any time . . . quickly, easily. See the husky Century trailer . . . 30" clearance . . . parking leg to hold in position for instant hitching to trailer or truck. Trailer includes 4 ft. extension handle and brace (not shown) for operation of Master Control from driver's seat.

Distributed in Iowa by:

THE HAMILTON COMPANY
Cedar Rapids • Fort Dodge

MANUFACTURED BY
CENTURY ENGINEERING CORPORATION FARM EQUIPMENT DIVISION
CEDAR RAPIDS, IOWA

Hog House brings back memories for Enoch (left) and Peter Hedstrom, Calhoun county, Iowa, brothers. Reason: Both learned their "three R's" in it when it was a "six-window school."

INSIDE STUFF

YOUR FARM looks different from the air in winter. So do all the other farms. Take a look at them sometime.

▲ ▲

LAST MONTH, I took a plane from Des Moines to Chicago. The land beneath seemed stiff and frozen, pale and icy, with groves making dark spots and towns making larger dark spots.

▲ ▲

NO PEOPLE. Nobody in the fields. A few dots crawled along the highways. That was all.

▲ ▲

IN SUMMER, the landscape is full of color—black plowed fields, light green of crops, dark green of trees. But in winter, all is silver. Everything is locked in ice, snow and silence.

▲ ▲

YOUR CHANCES of living to 65 or 70 are a good deal better than your grandfather's. In 1850, women averaged 40 years of life; men, 38. Now women hold out until 70—as an average—and men until they are 65.

▲ ▲

I AM ALWAYS impressed, in land that once produced muskrats, with the amount of tile, money and labor that has gone into drainage. On some farms, there is $50 an acre underground.

▲ ▲

OLGER STRAND, who lives in Webster county, Iowa, showed me a drainage map of his farm. A copy can be filed with the abstract, another copy held with records of the soil conservation district, another kept with the farmer's own records.

IF EVERY FARM had a permanent record of its tiling, a lot of money would be saved. Sometimes, when farms change hands, nobody knows where the old lines were laid.

▲ ▲

JOHN F. DULLES, Republican expert on foreign affairs, suggests that we could save a lot of money on the army, navy and air force. "It seems as tho each branch wants to be strong enough so, if there is a war, it can win it alone, without help from anybody."

▲ ▲

FARMERS who want to dig into the history of farm programs and into prospects for the next 10 years, should get Dr. John D. Black's "Future Food and Agriculture Policy" (McGraw-Hill, $3.50).

▲ ▲

BLACK OUTLINED the individual acreage allotment program—later developed into the old AAA—back in 1929. But his new program abandons "the old AAA system of quotas on historical bases."

▲ ▲

BLACK SAYS allotments did not work well. He recommends a new plan based on our experience with the old program. Not everyone will agree with him, but all who read the book will learn a lot about the whole farm program.

▲ ▲

THIS IS THE TIME of year when you're glad you laid in plenty of fuel, put on storm windows and added insulation. Only, do you wonder if you were so smart when you planned for early pigs?

DONALD R. MURPHY.

WALLACES' FARMER AND IOWA HOMESTEAD
(Volume 74—Number 3)

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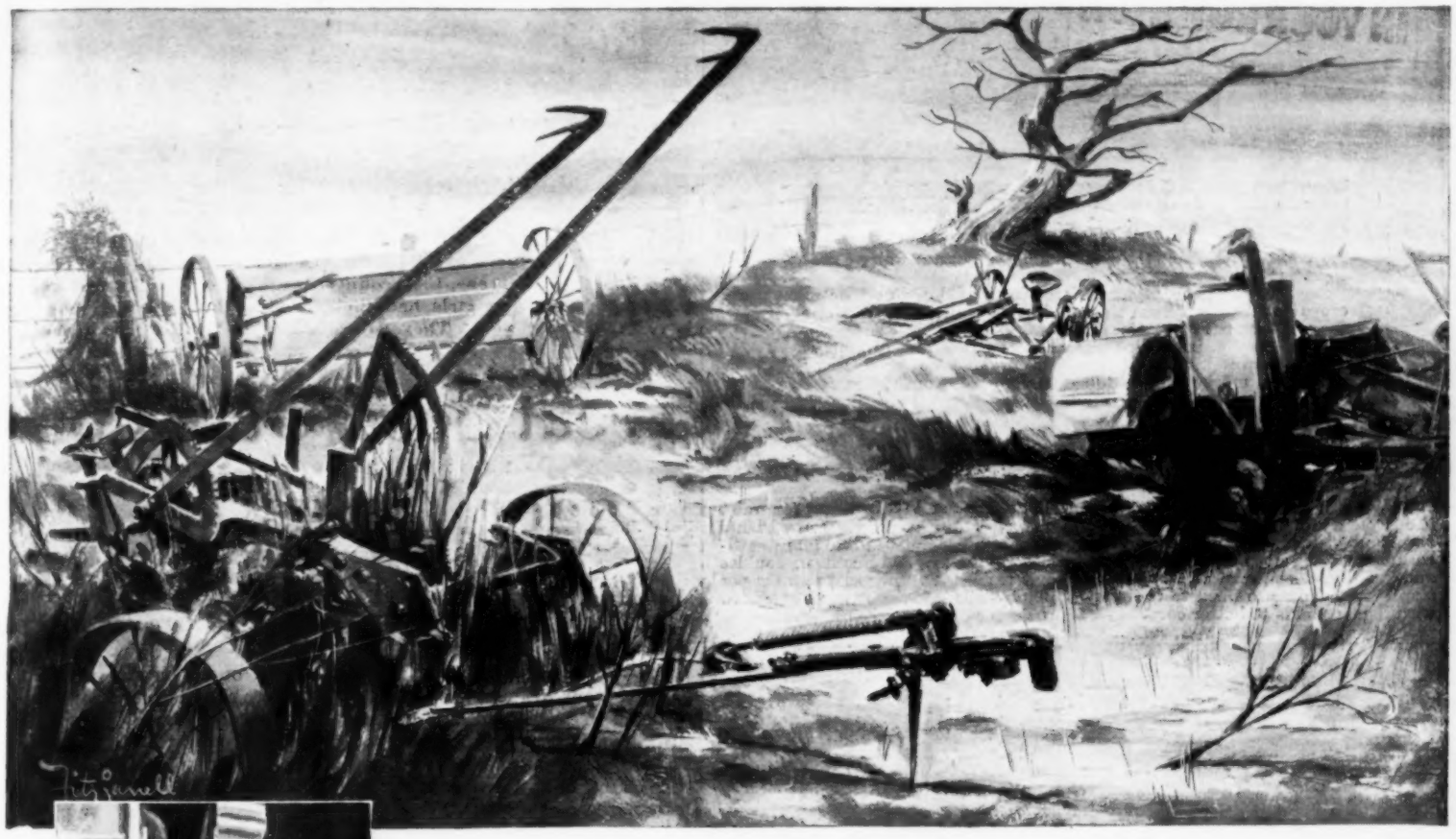
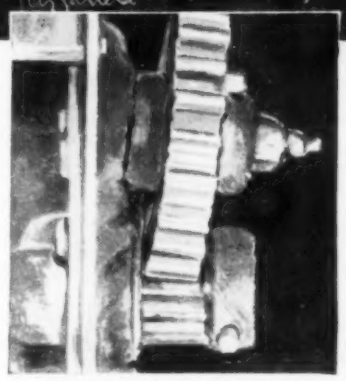
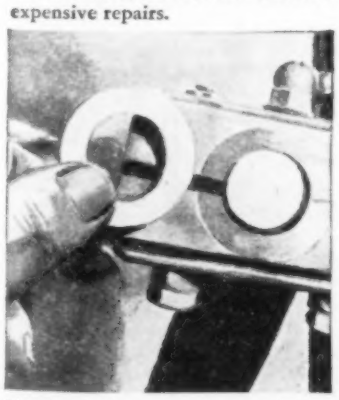
DON'T LET YOUR FARM BE A MACHINERY GRAVEYARD





Gears that are poorly adjusted wear quickly. It usually takes just a minute to correct the trouble—and save expensive repairs.



Here's a common trouble spot. Many pieces of farm machinery have rocker arms that need regular lubrication.

Careful Operation Plus Proper Lubrication Brings Big Repair and Replacement Savings

Faulty lubrication and neglect are the two biggest killers of farm machinery. In weather like this, lubrication is even more important. It takes a tough oil—like D-X Motor Oil—to give you complete protection.

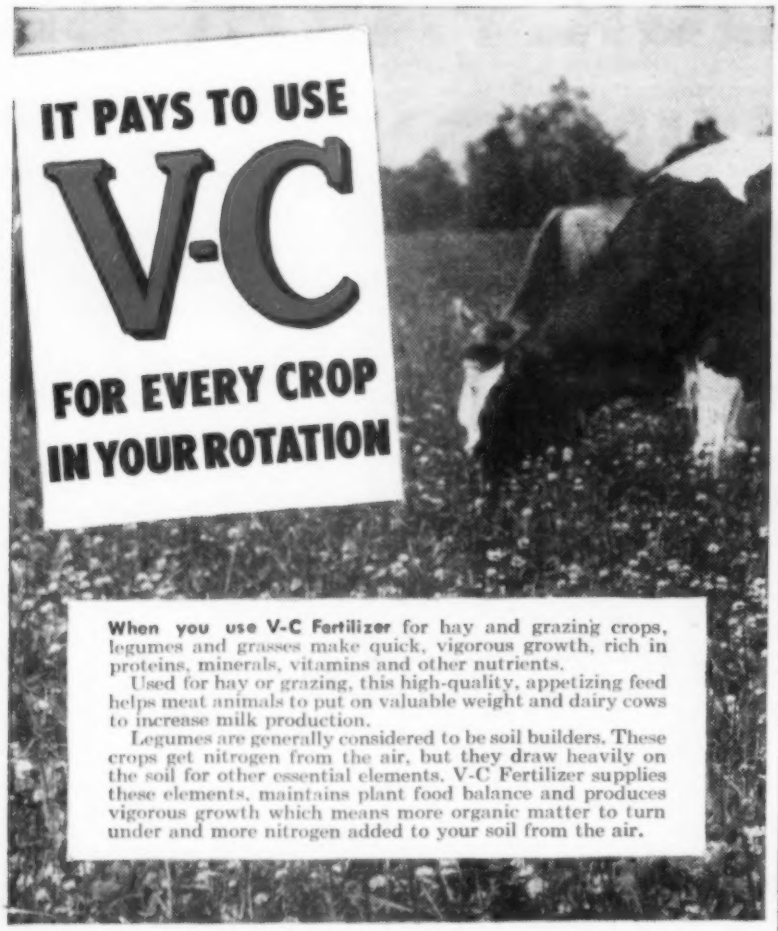
Thousands of farmers depend on D-X Motor Oil to *stand up* in all engines, under all operating conditions. D-X is the result of the careful refining of the finest crude oils available. And, during the refining process, every element necessary to make D-X an even tougher oil is added.

Buy D-X Motor Oil and other D-X Products from your friendly D-X Farm Serviceman. If he isn't making regular calls at your farm now, phone your nearest D-X Bulk Station Agent.

FARM D-X SERVICE

MID-CONTINENT PETROLEUM CORPORATION

Waterloo, Iowa Terre Haute, Ind. TULSA, OKLA. Chicago, Ill. Omaha, Nebr.



When you use V-C Fertilizer for hay and grazing crops, legumes and grasses make quick, vigorous growth, rich in proteins, minerals, vitamins and other nutrients.

Used for hay or grazing, this high-quality, appetizing feed helps meat animals to put on valuable weight and dairy cows to increase milk production.

Legumes are generally considered to be soil builders. These crops get nitrogen from the air, but they draw heavily on the soil for other essential elements. V-C Fertilizer supplies these elements, maintains plant food balance and produces vigorous growth which means more organic matter to turn under and more nitrogen added to your soil from the air.

Even when it follows a legume, corn needs plenty of fertilizer to produce abundant yields. V-C Fertilizer gives corn plants vigorous sturdy growth and healthy, deep-green color. Stalks stand erect. Ears are filled to the tip with bigger yields of better corn.

When you use V-C Fertilizer for grain, growth is quick and vigorous. Plants stool out well and send up many seed-bearing stalks. V-C Fertilizer doubles and trebles the number of stalks per plant—with each extra stalk an added producer of plump, sound grain.

A good crop rotation, which includes a legume-grass sod, will build your soil. But your rotation must include enough of the right fertilizer for each crop, if your soil-building program is to be a success.

V-C Fertilizers are produced in various grades and analyses, so that there is a V-C Fertilizer for every crop on every soil. Your V-C Fertilizers are manufactured to meet the needs of your farm in a V-C Factory located near you.

V-C Fertilizers are famous for their crop-producing power and their free-flowing, easy-drilling quality.

V-C Fertilizers flow through your fertilizer distributor smoothly and evenly, producing a good stand, uniform growth and profitable yields.

VIRGINIA-CAROLINA CHEMICAL CORPORATION

Dubuque, Iowa — E. St. Louis, Ill.

V-C FERTILIZERS *MAKE THE GOOD EARTH BETTER*

This Gilt is one of a litter of 16, and was raised on a bottle by Mary Kathleen and Barbara Ann Heikens, daughters of Mr. and Mrs. George A. Heikens, Clay county, Iowa. Like all folks who raise a pig on a bottle, the girls had their troubles last summer, but they have quite a hog now. They named their pig "Little Orphan Annie."

Treat Seed Oats For Bigger Yields

Flax Is Another Crop Where Chemical Treatment Pays Off In Greater Returns

MORE than 10,000 yield comparisons in Iowa show it will pay you to treat seed oats before sowing next spring. Iowa State College plant pathologists say you can count on an increase of at least three more bushels per acre if you treat.

Tests have been conducted at Kanawha, Conesville and Ames. The treatment will cost around 9 cents per acre. That makes a cheap way to get three bushels more oats.

Chemicals, such as New Improved Ceresan or Ceresan M, protect the plants from seed-borne diseases during germination.

All varieties of oats should be treated—even the new ones, such as Clinton, Benton, Shelby and Bonda.

Flax, wheat, barley, sorghum and sugar beet seed benefit from treatment, too. Flax tests on six varieties during the last two seasons show average yield increases of 4.3 bushels per acre from treatment.

You can treat seed yourself or take it to an elevator or seed-cleaning and treating establishment. Materials are available at drug, seed, feed, hardware stores and many elevators.

Clean seed is almost as important as treated seed. There's no need to plant a lot of weed seeds along with your small grain. You will be surprised at the amount of dirt, chaff and weed seed a good fanning mill will take out of clean-looking grain.

You can treat at the same time you clean your seed. Doing both jobs at once saves handling grain twice. If you are having a commercial outfit do the work, you stand a better chance of getting it done now than if you put it off until spring. They will be rushed later on.

If you have to wait for cleaning and treating, a delay in planting can lower yields. But, as far as effectiveness of treatment is concerned, you can treat any time from now until within 24 hours of sowing time. It takes at least 24 hours for the treatment to do its job on oats.

Rates of application depend upon when you treat. If you treat oats now, use one-third of an ounce per bushel. At seeding time, you should use a little more, up to half an ounce per bushel.

Clinton is the thinnest hulled variety grown in Iowa. For that reason, be careful not to overdose. Follow directions on the container. Too large a dose may injure the seed. It is better to use slightly less than slightly more than the directions call for.

Rate of treatment for flax is one ounce per bushel. Treatment can be made from now until 48 hours before seeding time.

If you are careless, the chemical dust can cause you considerable irritation. Inhale as little of the dust as possible. Many commercial treating establishments now use the "slurry" method of treating, which gets away from the objectionable dust.

Good ventilation and a dust mask do much to relieve the irritating effects.

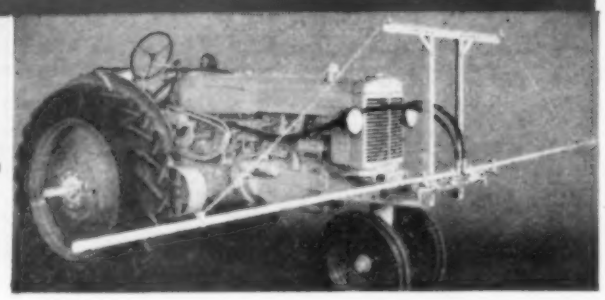
If you treat now, be sure the grain is stored in a clean, dry bin.

Treatment does not control rusts as it does smut and blight.

DEKALB
DeKalb offers PROOF-not claims!
5282 Farmers Make an Average Yield of 110.14 Bushels per Acre* with DeKalb Corn
This outstanding corn yield record, made on selected 5-acre contest plots on 5282 farms in 23 States and Canada in DeKalb's 1948 National Corn Growing Contest, is factual PROOF that DeKalb is bred to produce big, dependable yields for you and other corn growers over America. Before you buy seed, consider this record. It, and other records like it, is one of the reasons why "More Farmers Plant DeKalb Than Any Other Hybrid." DeKalb Agricultural Ass'n., Inc., DeKalb, Ill. Commercial Distributors of DeKalb Hybrid Seed Corn.
..Good Seed Corn Costs So Little & Means So Much
Figures on the map show average yield of all contestants in each State.
NORTH DAKOTA 65.11 BU. PER ACRE
MINNESOTA 102.31 BU. PER ACRE
WISCONSIN 108.71 BU. PER ACRE
MICHIGAN 91.69 BU. PER ACRE
CANADA 96.43
NEW YORK 90.06 BU. PER ACRE
PENNSYLVANIA 105.73 BU. PER ACRE
NEW JERSEY 106.89
MARYLAND 101.92
DELAWARE 99.73
SOUTH DAKOTA 95.30 BU. PER ACRE
IOWA 124.00 BU. PER ACRE
ILLINOIS 120.53 BU. PER ACRE
INDIANA 118.47 BU. PER ACRE
OHIO 104.07 BU. PER ACRE
WEST VIRGINIA
VIRGINIA 93.85 BU. PER ACRE
KENTUCKY 93.40 BU. PER ACRE
NORTH CAROLINA
NEBRASKA 113.41 BU. PER ACRE
MISSOURI 114.92 BU. PER ACRE
TENNESSEE 95.21
KANSAS 96.30 BU. PER ACRE
COLORADO 113.10 BU. PER ACRE
OKLAHOMA 85.50 BU. PER ACRE
TEXAS 47.76 BU. PER ACRE
NEW MEXICO
• It Pays to Grow DeKalb •
STATE WINNERS IN DEKALB'S 1948 CORN GROWING CONTEST
STATE NAME YIELD
Colorado Friehauf Bros. 167.03
Delaware Walter B. Harrington 124.98
Illinois Lloyd Heeren 180.02
Indiana Lawrence Kincade 180.32
Iowa Robert Meyer 177.21
Kansas Edw. J. Knedlik 159.74
Kentucky James Ashby 164.16
Maryland J. Willard Amoss 138.53
Michigan Berl Clough 138.56
Minnesota Leo Manzey 179.03
Missouri Harold F. Gray 171.68
Nebraska Herman Lautenschlager 166.08
STATE NAME YIELD
New Jersey S. W. Croll 122.31
New York Allan C. Brownell 128.71
North Dakota A. H. Berg 105.51
Ohio Hume & Pierce 149.81
Oklahoma J. O. Childress 145.20
Pennsylvania J. Kenneth Walker 149.77
South Dakota Harold Swanson 153.10
Tennessee Willie Lee Foutch 108.08
Texas A. L. Rolf 100.69
Virginia R. F. Boxley 104.29
Wisconsin Herman Stampfli 167.96
Canada James W. Neil 139.63
29,190 FARMERS MAKE A 9-YEAR AVERAGE YIELD OF 96.16 BUSHELS PER ACRE* WITH DEKALB CORN
*Each yield in DeKalb's 1948 National Corn Growing Contest was weighed and checked by a disinterested person on a selected 5-acre contest plot.

Now... Better than Ever!

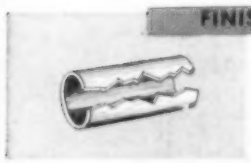
KROMER'S WEED INSECT SPRAYER



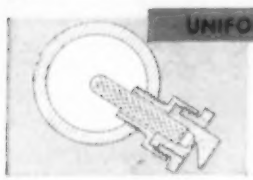
KROMER Tractor Sprayers Available in Five Boom Lengths

KROMER tractor and trailer model weed and insect sprayers have an enviable reputation. Their use in the field during past seasons, under the most difficult spraying conditions has shown that they deliver *the correct volume* and an *even distribution of chemical.*

KROMER'S FINISH "X" Utilizes The Superior Strength and Durability of Steel

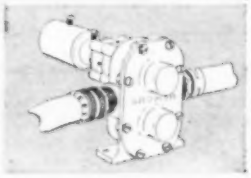


FINISH "X" A new, secret process gives KROMER seamless *steel* booms and tanks a coating resistant to chemicals and acids that attack aluminum, brass or stainless steel. FINISH "X" adheres tightly, is flexible and very durable.



UNIFORM APPLICATION — KROMER'S exclusive fan type nozzle, developed specifically for weed spraying, guarantees even distribution of chemicals. *Long-life, non-clogging, non-fogging* tips and screens easily disassembled by hand.

The KROMER Gives You the Capacity and Pressure For Every Spraying Need...



The KROMER all metal, power take-off pump has anti-friction bearings requiring no lubrication. The KROMER pump is made of brass and stainless steel and has no valves to leak or stick. It delivers the correct pressure and volume for every spraying requirement, including corn borer, livestock and pre-emergence spraying.

One KROMER Sprayer For All Spraying Conditions

The KROMER Sprayer has ample pressure and volume for crop spraying of various chemicals and insecticide spraying on plants and animals. KROMER booms have 10 inch nozzle spacing for high gallonage applications and row crop work. Equipped with plugs for every other nozzle for low gallonage spraying.

KROMER Tractor Mount Sprayers available in five boom lengths. KROMER Trailer Models available in three models with six boom lengths. KROMER Hand Sprayer and Row Crop Attachment furnished as special equipment.

KROMER Trailer Models available in three models with six boom lengths.

Fill out and mail coupon now for more information.

O. W. KROMER COMPANY
1120 Emerson Avenue North
Minneapolis 11, Minn., Dept. D

SEND TODAY!

KROMER PRODUCT

Send me descriptive literature and more information about the KROMER Tractor mounted sprayer ☐ Trailer Unit ☐.

Name _____

Town _____

State _____

Fall Pigs have done right well for Kenneth Ault, of Howard county, Iowa. Four sows raised 38 pigs, and at five months of age (in January) the average weight was around 165 to 170 pounds.

Cattle On Feed At All-Time High

Meat Animal Supply May Be Larger In First Half Of 1949 Compared With 1948

NUMBER of cattle on feed for market in the United States January 1 hit an all-time high.

Feeders bought cautiously in the early feeder buying season. But they bought record numbers of cattle in November and December, to boost the total above any other year.

This probably means that more meat animals will go to market in the first half of 1949 than went to market in the first half of last year. Here is the situation:

Cattle on feed January 1, 1949, were 19 per cent more than one year ago. Number of hogs over six months old on farms was down 2 per cent. Fall pigs half-way ready for market were 8 per cent more than a year ago. Sheep and lambs were down.

The increase in feeding cattle and fall pigs probably will more than offset the decrease in older hogs, sheep and lambs. A net increase in meat animals for market is indicated.

The 19 per cent increase in numbers of cattle on feed was well spread over the nation. Corn belt states showed a 22 per cent rise.

Iowa feeders had 24 per cent more cattle on feed January 1 this year than a year earlier. But the Iowa total was 10 per cent below the high of 1,056,000 head in 1945.

Western and southern states helped to boost the cattle feeding total. California had a record number on feed. Texas and Oklahoma had substantial increases.

When will the cattle come to market? Says the U. S. Bureau of Agricultural Economics:

Cattle weighing more than 900 pounds make up a larger proportion of the total cattle on feed this year than was the case last year. Thirty-four per cent are in the heavy-weight class. Last year, it was 31 per cent. Most of these cattle will come back after a short feed.

The proportion of cattle in the 600 to 900-pound class was less than last year. Cattle weighing under 600 pounds were in about the same proportion both years.

Farmers say there is less tendency toward short-term feeding this year than last year. They report that they intend to market 42 per cent of the cattle now on feed by April 1. Cattle were marketed more rapidly last year.

Near-Record Grain Stocks On Hand

Every Iowa farmer knows that last year's bumper crops piled up huge supplies of grain. Two new sets of figures indicate just how full the farm cribs and bins really are.

Says the Iowa Crop and Livestock Reporting Service: Iowa farmers had near-record stocks of corn and oats January 1; soybean bins were half-again as full as last year; wheat stocks had doubled.

Reports PMA: Corn under seal may hit a new high record; large amounts of oats, wheat and beans are in the loan program.

In Iowa cribs, at year's start, were 490 million bushels of corn. This was second only to the 504 million after the big 1942 crop.

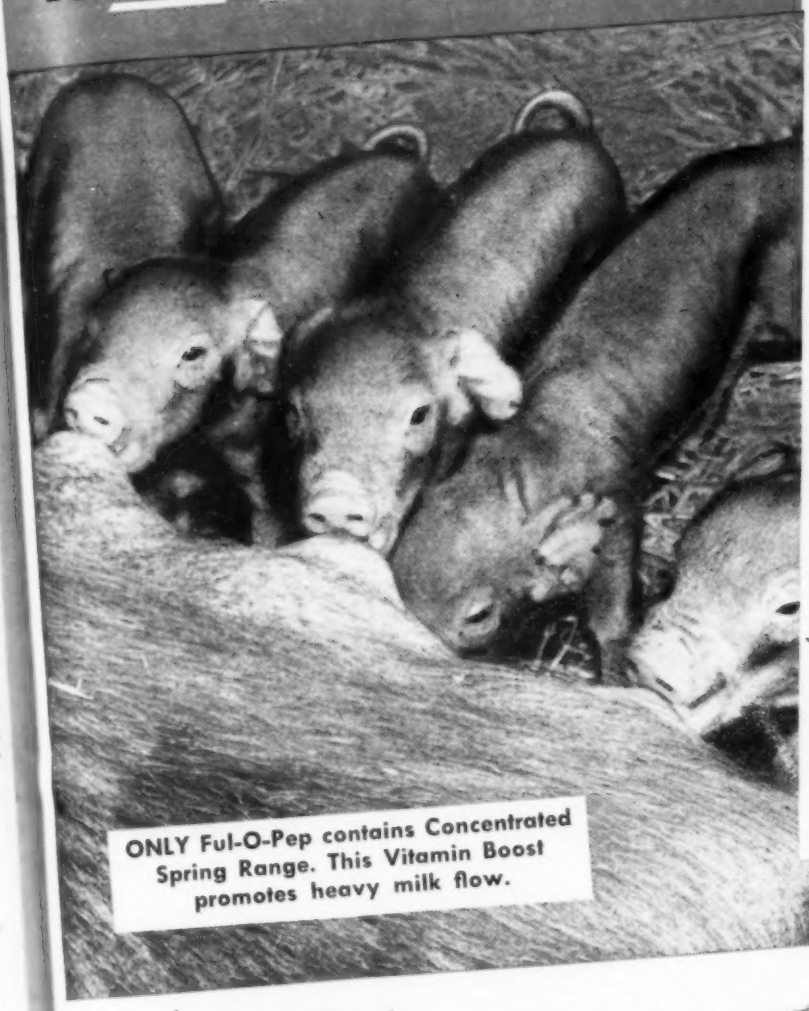
Other January 1, Iowa figures: 165 million bushels of oats, second only to the 171 million in 1938; 14 million bushels of soybeans, up from nine million a year ago; 1,200,000 bushels of wheat, compared with 647,000 a year earlier.

Under seal January 1 were 42 million bushels of corn, with 2¼ million more under purchase agreements. PMA officials expect the amount under loan by next summer to at least match the record 146 million bushels sealed in 1939.

Other PMA figures: 3½ million bushels of oats sealed on farms, 355,000 in warehouses, 956,000 under purchase agreements; 1¼ million bushels of farm-sealed beans, 2½ million in warehouses, 1½ million under purchase agreements; 85,000 bushels of wheat sealed on farms, two million in warehouses, 19,500 under purchase agreements.

M-m-m...U-m-m! Sows' Milk

is simply wonderful for fast pig growth!



ONLY Ful-O-Pep contains Concentrated Spring Range. This Vitamin Boost promotes heavy milk flow.

Rich spring pasture benefits in FUL-O-PEP PIG-N-SOW FEED help keep sows' udders full

Sows' milk is *crammed plumb full* of nourishment little pigs need for fast, economical growth.

But a SOW is like a COW! She requires a *balanced, milk-making ration* to provide PLENTY of milk for all her pigs.

No wonder so many Ful-O-Pep feeders *wean pigs weighing up to 50 lbs.* For Ful-O-Pep Pig-N-Sow Feed and grain helps make lots of sows' milk . . . enough to give each pig a good, healthy portion—*even in big litters.*

And here's why: Ful-O-Pep ALONE is *enriched* with Concentrated Spring Range*—Nature's Richest Vitamin Combination—scientifically processed from young, tender cereal grasses. By furnishing many of the healthful benefits of *spring pasture itself,* this Vitamin Boost helps keep sows' udders full of *rich, vitamin-packed milk.*

What's more, the choice animal, vegetable and fish proteins and organic-source minerals in Pig-N-Sow Feed round out your grain to make a *balanced, economical sows'* ration.

So feed your sows Ful-O-Pep Pig-N-Sow Feed and grain this spring. It's a *real milk-making ration!* And follow through on the Ful-O-Pep Plan to *hit the early market* next fall.

Plan to visit your local Ful-O-Pep Dealer soon. And send for FREE hog book today!

*Reg. U. S. Pat. Off.

3 FUL-O-PEP HOG FEEDS to help you hit the early market!

PIG-N-SOW FEED

Here's a special sow feed fortified with Concentrated Spring Range . . . to be fed with grain. Promotes big litters of big pigs and *plenty of sows' milk for all!*

PIG STARTER

What an appetizing pig feed . . . built around nourishing rolled oats—enriched with special vitamin sources! Grows pigs up to *50 lbs. by weaning time.*

40% HOG CONCENTRATE

Here's the feed to make your corn go far, and to SPEED shoats to market! Supplies proteins, vitamins and organic-source minerals that fattening hogs need for fast, low-cost gains.

THESE PIGS WENT TO MARKET EARLY ...they got plenty of sow's milk!

AVERAGED 222 LBS. IN 6 MONTHS—"Last spring, on the Ful-O-Pep Plan, I weaned 87 pigs from 10 sows. I sold 13 at 5½ mo. averaging 209 lbs. each . . . and the remainder at 6 mos. weighing 222 lbs. I attribute much of this fast growth to the Concentrated Spring Range in Ful-O-Pep Hog Feeds." Dale Pressnall, Munden, Kansas.

SEND FOR FREE HOG BOOK TODAY!

THE QUAKER OATS COMPANY, Dept. B-89
Chicago 4, Illinois

Let us send you this valuable book on hog feeding and management . . . prepared by a famous nutritionist. Gives you full details on the Ful-O-Pep Hog Plan, which speeds hogs to market. Mail this coupon NOW!

Name.....
Address.....
City.....*State*.....

THE QUAKER OATS COMPANY, Chicago 4, Ill.

THE FARMALL Cub ALL-AROUND UTILITY

for Orchard

With a No. 23-A tandem disk harrow, the Farmall Cub weeds up to an acre per hour of orchard.

for Garden

This Farmall Cub is cultivating 3 rows of table beets (in 18-inch rows) with its forward-mounted No. 447 vegetable cultivator.

and Field!

Behind this Farmall Cub is an IH No. 100 Manure Spreader with a capacity of 40 bushels.

The Farmall Cub is a crackerjack on all kinds of row-crop work. And it's just as useful pulling drawbar loads. It's a modern power package, scaled down for all-job, small-acreage duty—or profitable large-farm utility. It's a plowing, a tillage, a cultivating, a haying and harvesting tractor. And it's a go-getter on belt and power take-off jobs.

The Farmall Cub's wheel treads adjust to various row spacings. It has 16 matched, quick-change direct-connected implements—to give you fingertip farming with Farmall Touch-Control. This all-purpose tractor plants and cultivates from start to finish, 'most any row-crop that grows.

Best of all, your Farmall Cub is available for delivery now. See your IH dealer during February—FARMALL CUB MONTH.

INTERNATIONAL HARVESTER COMPANY
180 North Michigan Avenue • Chicago 1, Illinois

Listen to James Melton on "Harvest of Stars" every Wednesday evening over CBS.

INTERNATIONAL HARVESTER

Workday Pointers

BEST PLACE to spread manure is on land that will be in corn next year.

▲ ▲ ▲

MUDDY LOTS can be improved for livestock by hauling in cobs, straw, spoiled hay or corn fodder.

▲ ▲ ▲

THE SLIGHTEST MUSTY smell in the seed oats is a danger sign. Have the oats tested for germination.

▲ ▲ ▲

CATTLE GRUBS can be killed by treating with rotenone as soon as the holes appear in the backs of the cattle.

▲ ▲ ▲

FEBRUARY is the month to repair farm machinery. A farm shop with a stove in it will make the job much easier.

▲ ▲ ▲

IT'S TIME TO BREED cows for late November calves and sows for June 1 pigs. Count 283 days for cows and 112 to 114 for sows.

▲ ▲ ▲

OATS RESPOND well to nitrogen applications because land seeded to oats has usually been robbed of its nitrogen by preceding corn crops.

▲ ▲ ▲

FARM SEPTIC TANKS should have a capacity of 500 gallons for a family of four, says E. A. Olson, of the University of Nebraska. Increase the size by 100 gallons for each additional member of the family.

▲ ▲ ▲

FALL PIGS that weigh from 75 to 100 pounds will require about 10 bushels of corn and 40 pounds of supplement to make them weigh 225 pounds. The estimate is made by a corn belt group of experiment stations.

▲ ▲ ▲

CONTINUOUS CROSSING of beef breeds produced animals of good beef quality and rapid growth rate in USDA beef breeding experiments. Purebred Shorthorn, Hereford and Angus animals were used in a three-way cross.

▲ ▲ ▲

OUTSIDE CORN should be moved to shelter this month. Average February rainfall and melted snow is 1.08 inches for Iowa. For March, the average total goes up to 1.79 inches. There are more chances that outside corn will get wetter after February than that it will get drier.

▲ ▲ ▲

UNDULANT FEVER (brucellosis in animals) is probably the most serious animal disease that can spread to people. But there are about 70 other diseases which people can take from animals, among which are anthrax, trichinosis, erysipelas, sleeping sickness and rabies. Be careful when handling sick animals or the carcasses of dead animals.

▲ ▲ ▲

SPIKE-TOOTH harrows can get badly out of adjustment and do poor work. Winter repairs should include (1) loosening the teeth and giving each tooth one-half turn; (2) dropping the teeth one-half to one inch lower in the frame if they are badly worn; (3) replacing lost teeth, and (4) adjustment of the bar in front so each section pulls straight away.

SALES SLIPS and receipts should be kept even if you keep a record book. They are the proof of the transaction.

▲ ▲ ▲

YOU HAVE UNTIL March 31 to get your Iowa state income tax report filed and pay the first installment of property taxes.

▲ ▲ ▲

ALFALFA MEAL replaces pasture in the brood sow's winter ration. Ten to 15 per cent of the total ration can be alfalfa meal.

▲ ▲ ▲

FERTILIZER can be stored safely on the farm if sacks are piled so that air can get under and between sacks. Piles should not be more than six or eight bags deep.

▲ ▲ ▲

KINKS IN ROPES or cables never should be taken out in the manner shown in the illustration. This leaves a weak spot because an extra twist is added and the

The way a kink starts

The rope is kinked

The rope is straightened

strain is thereafter unevenly divided among the strands. If you want to keep the rope or cable at full strength, take out the kink by twisting one end until the rope or cable is naturally straight.

▲ ▲ ▲

GLUED JOINTS make rigid farm buildings, says Henry Giese, Iowa State College agricultural engineer. He suggests using glue with nails. Glued joints might be useful in making strong and tight self-feeders.

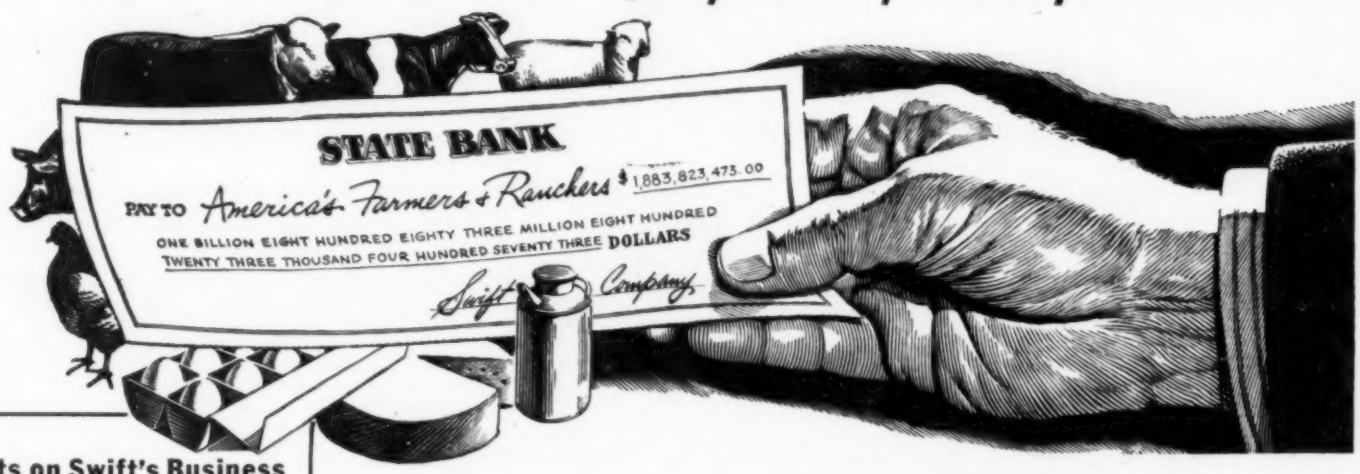
▲ ▲ ▲

OATS DISKED IN on corn land make a hatching ground for the corn borer moths. If you can plan your crops so that beans follow corn, and then oats follow beans, fewer moths will emerge to lay corn borer eggs. If oats must follow corn, plowing the ground will reduce corn borer moth numbers.

▲ ▲ ▲

CORN WITH 20 PER CENT moisture is worth about 8 cents per bushel less than 15 per cent moisture corn for feed. Thus, if 15 per cent moisture corn is worth the sealing price of $1.36, corn with 20 per cent moisture would be worth about $1.28. This is figuring values on a dry-matter basis. In a 56-pound bushel of 15 per cent moisture corn there are 47.6 pounds of dry matter, compared with 44.8 pounds in a bushel of 20 per cent moisture corn. Spoilage in the high moisture corn would make the difference greater. Market differences may not follow dry-matter content.

Sold to Swift for $1,883,823,473.00



Quick Facts on Swift's Business in 1948

Total Sales $2,361,114,041

Swift's average sales dollar was spent as follows:

For Livestock & Other Agricultural Products	79.8 cts.
For Employes' Wages & Salaries	9.6 cts.
For Supplies	4.0 cts.
For Transportation	2.0 cts.
For Taxes	1.5 cts.
For Other Business Expenses	1.9 cts.
Total spent out of each average dollar	98.8 cts.
Remaining as Earnings for Swift	1.2 cts.
Total	100 cents

Wm. B. Traynor

Because your business of farming and ranching is so closely related to our business of meat packing, we believe you are interested in an accounting of Swift & Company's operations in 1948. On this page we tell you how much money we received, how we spent this money, and how much we earned for services performed.

The past year was reasonably profitable to both producers and Swift & Company. That's the way it should be in America. A fair profit to producers means better living and insures a sound program on farms and ranches. A fair profit to business in cities and towns helps maintain purchasing power and markets for the products which you and Swift have to sell.

In 1948, Swift & Company paid nearly two billion dollars for agricultural products. We processed and distributed nationwide this output of your land and labor . . . cattle, calves, hogs, lambs, dairy and poultry products, soybeans, cottonseed, peanuts and other products of agriculture. For these we paid out 79.8 cents from each dollar we received from the sale of our products.

HOW THE DOLLAR WAS DIVIDED

In America a business is operated to serve the public, and to earn a profit for its owners. In 1948, Swift earned $27,889,210 net profit. That was an average of 1.2 cents out of each dollar we received from the sale of our products. Who got the balance of 98.8 cents? It went to people who work directly in the livestock-meat industry, to additional thousands in other businesses.

1. The major cost of meat packing is the purchase of livestock and other agricultural products. Swift paid $1,883,823,473 to farmers and ranchers last year. You, the producers, received 79.8 cents out of each average dollar we took in from sales.

2. Swift & Company employs 73,000 men and women to provide the services producers, retailers and consumers demand. The employes look to their company for regular, gainful employment. They earned $226,154,019 in wages and salaries in 1948 . . . or 9.6 cents of each average sales dollar.

3. Supplies of all kinds—sugar, salt, spices, containers, fuel, electricity cost us $94,809,928. These supplies are furnished by other businesses. Our purchases from them created work and wages for many more Americans. This took 4 cents of our average sales dollar.

4. Transportation charges are a necessary item of expense, and a large one, too. Meats are moved an average of 1,000 miles from farm and ranch to market. During 1948, in distributing our products to cities, towns and villages, Swift & Company spent $46,702,457 for transportation by rail and motor. This amounted to 2.0 cents of each average dollar of sales income.

5. Government expenses—fire and police protection, national defense, roads, social security, public education, etc.—are all paid out of taxes. Swift's tax bill for the year was $35,220,291. The Federal Government and each of the 48 states collected some of this amount. And taxes were paid in hundreds of municipalities where our plants and properties are located. Federal, state and local taxes took 1.5 cents of our average sales dollar.

6. More than 200,000 retail store operators look to Swift for a regular supply of meats and other Swift products. We help build retailers' trade by developing nationwide consumer markets. Our research laboratories and test kitchens also help create consumer demand. Depreciation, interest and other expenses common to every business, add to this total. All these cost $46,514,663 or 1.9 cents of the average dollar of sales.

That's the story of the division of Swift's average dollar received from sales. Of that dollar, 98.8 cents went to other people or businesses. The 1.2 cents left is our return for processing, marketing and distributing meats and other products for millions of American families. Out of this return—or net earnings—our 64,000 shareholders, men and women who invested their savings in the Company, received dividends which took 7/10 of a cent of the average sales dollar. The balance of 1/2 cent was retained to provide for future needs of the Company.

Vice President and Treasurer
Swift & Company

O. R. Johnson

Management's Role in Modern Farming

by O. R. Johnson, University of Missouri, Columbia

Better farm management can give startling results. If managed as well as the best 20% of the farms are managed, output of the average acre could be *doubled*. In most areas the output of pasture land could be increased three or four times. Our cleverest feeders get 60% more out of their feed than do average feeders. Production per cow, sow or hen could be increased 50% to 100% if animals and methods as good as those used by the top 20% of our farmers were employed by all farmers.

There are two ways of achieving higher production per acre without increasing costs. The most practical method is to raise the level of management efficiency without increasing present working forces per farm. The other method is for the farm family, with modern power and machinery, to farm more acres. This second method has obvious limitations. For there would not be enough acres to go around without eliminating many farm families. Do we want larger farm units and reduced farm population? Many think not.

However, many farmers are now faced with adopting either one or the other of the above methods. Farmers *must* meet today's high operating costs and still maintain living standards *without forcing prices beyond the reach of the average consumer*. Consumers cannot be expected to support, indefinitely, inefficient farm output by paying the high prices such inefficiency demands.

Swift & Company
UNION STOCK YARDS, CHICAGO 9, ILLINOIS

Nutrition is our business—and yours

PREVIEW

of easier farming

Rear Engine model G gives you

STRAIGHT-AHEAD VISION

Glimpse of a new day in power farming! That's the vision you get when you first climb on the seat of the new Model G Tractor.

The Model G is not just another small tractor . . . it's a new idea in farm power. The rear engine design seats you *in front* . . . with clear, unobstructed, straight-ahead vision. The front-mounted implements are scarcely a hoe-handle length from your eye. Any one of the wide variety of matched tools can be attached or removed in 5 minutes or less, and it consumes only two to three quarts of fuel per hour.

You can plant and cultivate from one to six rows at a time. Wheel treads are adjustable to fit row spacings of 10 inches and up . . . and you have a selective speed range of ¾ to 7 miles per hour.

Here are the Model G FRONT MOUNTED Implements!

- ★ Multiple-Row Ground Driven Seeder
- ★ Multiple-Row Power Driven Seeder
- ★ Multiple-Row Independent-Gang Cultivator (for flatland or beds)
- ★ 60-inch Double Tool Bar Cultivator
- ★ 80-inch Single Tool Bar Cultivator
- ★ Single Row Cultivator
- ★ Two-Row Drill Planter
- ★ Pick-Up Moldboard Plow, 12-inch
- ★ Five-Foot Power Mower

Also Pull-Type Disc, Spring Tooth and Drag Harrows.

ALLIS-CHALMERS
TRACTOR DIVISION — MILWAUKEE 1, U. S. A.

In The Legislature

Seek More Money For Roads, Schools

Pay Half Of Soldiers' Bonus From Surplus Of $100,000,000 Says New Iowa Governor

FARMERS' roads, school aid and what to do with the treasury surplus are questions that are coming to the front in the Iowa legislature.

The joint road committees of both houses have held hearings on the 20-year primary and secondary road construction program proposed by the roads study committee. Howard Hill, president of the Iowa Farm Bureau Federation, was one of the speakers.

Hill questioned the proposed division of an $88,500,000 annual road building fund between primary and secondary roads. The roads study committee suggested, in round numbers, 33 million for primary roads, 46 million for county roads and nine million for city streets.

This division of the money would increase funds for the primary roads by about 11 million dollars, and increase the money going to secondary roads by about three million. Hill thought farm-to-market roads should get more of the money.

Hill also opposed the committee recommendation to impose a $10-a-year license fee on farm tractors used in highway transportation.

On school aid, the Farm Bureau asks that $20,750,000 be appropriated from state funds for aid to schools. This compares with a present figure of $13,000,000 paid from state funds for school aid.

The Bureau recommendations are $8,000,000 for general aid, $4,000,000 for supplemental aid, $2,000,000 for transportation, $750,000 for miscellaneous aid and $5,000,000 for agricultural land tax credit.

The Iowa Education Association asks $22,500,000 for school aid. It would boost the Farm Bureau's figure of $8,000,000 for general aid to $12,000,000. It would reduce land tax credit in the Bureau's recommendation from $5,000,000 to $2,000,000. Smaller changes in other items were recommended.

Gov. William S. Beardsley, in his budget message, recommended a total of $22,425,000 for school aid from state funds. The legislature must fix the final figure.

Increased county aid for extension work also is proposed by a dozen house members. They have introduced a bill to increase county appropriations to all county Farm Bureaus to $5,000, plus $1,000 additional for each county with a 4-H Club assistant. The present county aid is $3,000 for the smaller counties and $5,000 for the more populous counties.

The new Iowa state administration and the legislature seem to be inclined to agree about dividing up the treasury surplus between established functions needing more money.

This was indicated when Governor Bearsdley delivered his budget message making recommendations in line with what legislators were proposing to do about the surplus.

Essentially, the agreement between the legislative groups favoring one or more uses for the surplus is to share it in helping pay the soldiers' bonus, increasing state aid for schools, providing for new buildings, and adding to road construction funds.

Budget problems are the first to be tackled by Iowa Governor William S. Beardsley.

That's what Governor Beardsley recommended. He estimated that the treasury surplus by July 1 of this year (the beginning of the two-year period for which the 1949 legislature appropriates) would be $100,052,250.45.

The governor recommended putting $40,000,000 of it into a "tax-stabilizing reserve," and appropriating $36,125,000 to buy half of the $72,250,000 in soldiers' bonus bonds to be issued first.

He estimated that only $72,250,000 of the $85,000,000 soldiers' bonus bonds authorized will have to be sold in the early years of bonus payments.

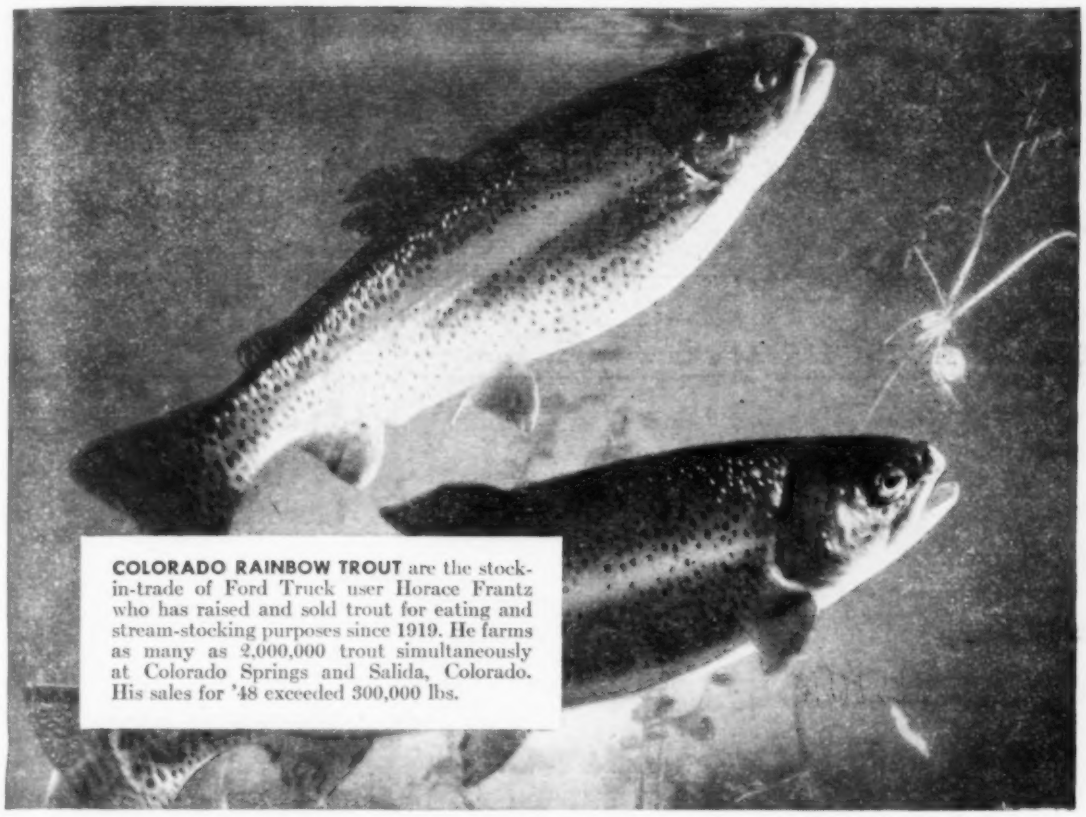
If the state bought half of these soldiers' bonus bonds from surplus, he said, property owners would have to pay only half as much in taxes to retire the remaining half.

Using $36,125,000 of the surplus for buying bonus bonds and putting $40,000,000 into a reserve fund would leave $23,927,250.45 as a treasury working balance.

Added to this balance, the governor estimated, would be $100,000,000 a year in new state income in each of the next two years. He suggested that the legislature might appropriate $88,348,479 per year for building and operating costs, including aid to schools, and $2,500,000 a year for completing the state office building and conservation works. This would leave the state with $21,115,146.22 per year, which could be used for increased road construction.

HORACE FRANTZ'S *Smart idea!*

It brought him a pot of gold at the end of rainbows...millions of 'em!



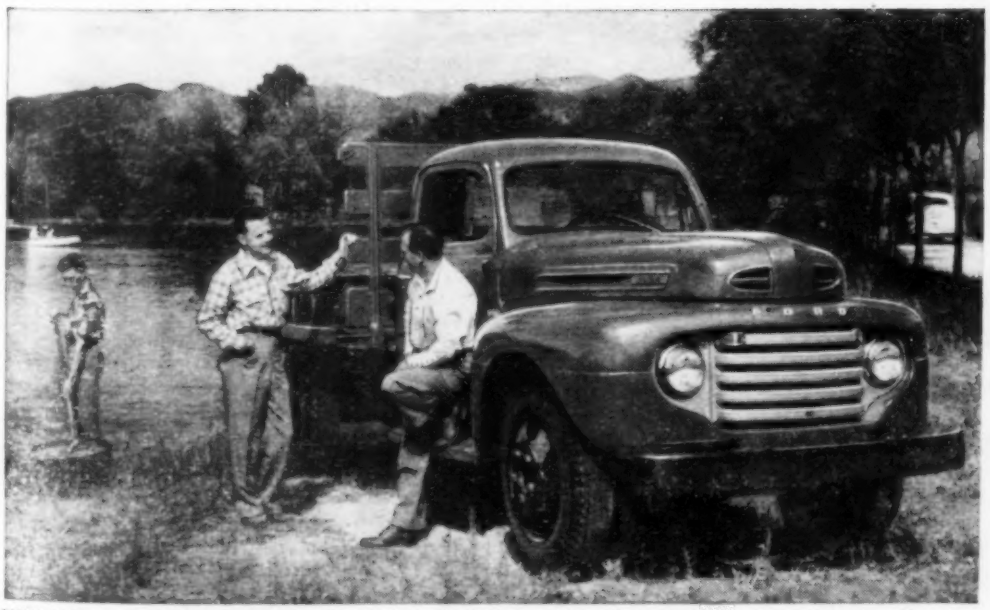
COLORADO RAINBOW TROUT are the stock-in-trade of Ford Truck user Horace Frantz who has raised and sold trout for eating and stream-stocking purposes since 1919. He farms as many as 2,000,000 trout simultaneously at Colorado Springs and Salida, Colorado. His sales for '48 exceeded 300,000 lbs.

TO KEEP TROUT alive and healthy, water must be kept charged with fresh oxygen. Frantz cascades it down steps, sprays it from overhead, to keep it fresh.

"SPRING WATER temperature in rearing runways never goes below 50 or above 52 degrees," Horace Frantz (above) says. Hatching period is 4 to 6 weeks; salable trout are "harvested" in 1½ years.

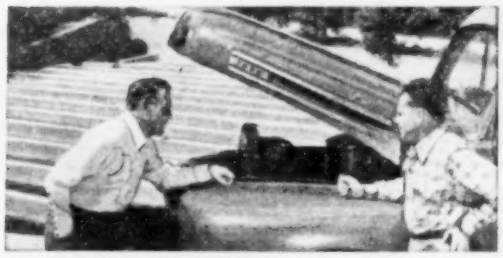
HORACE FRANTZ'S *Smart move!*

He uses Ford Bonus Built Trucks to do the hauling in his business!



NEW MODEL F-5 FORD TRUCK with platform body is used in a demonstration test at feeding time by Ford Dealer Bob Allphin. Says Frantz, "My old Ford feed truck has 175,000 miles on it, but I'll bet the new F-5 could beat that." "That's a smart bet, Horace," replies Bob Allphin, "Ford Trucks are Bonus Built to take almost anything these mountain roads can give them. Every one of over 139 models, ranging from half-ton Pickups to the new 145-horsepower Big Jobs, is built extra strong to last longer."

"DON'T LOOK now," says Ford Dealer Bob Allphin, "but under this cab is something no other truck has! I'm talking about Ford's exclusive Level Action suspension which insulates the cab against frame weave, smooths out the ride, and prolongs cab life."



"ONE OF THE BIG THINGS about Ford Truck engines is their reliability," says Frantz, who has used Fords for over 22 years. "That's mighty important to me, too, because in transporting live trout, a few minutes delay might mean loss of the entire load."

HORACE FRANTZ'S *Smart bet!*

FORD TRUCKS LAST LONGER!

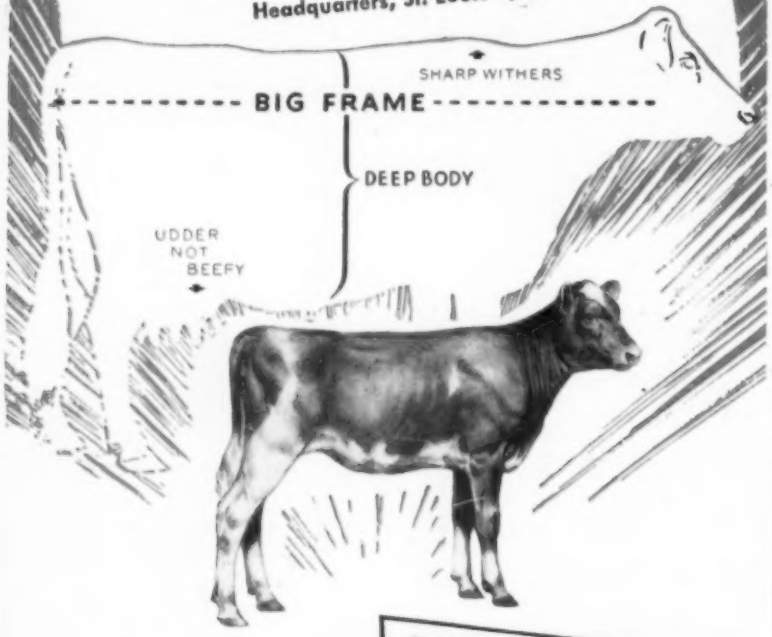
Using latest registration data on 5,444,000 trucks, life insurance experts prove Ford Trucks last longer!

See the FUTURE COW IN YOUR 4-MONTH-OLD CALF

In your mind's eye what does your future cow look like? If that 4-month-old calf is big-framed, vigorous and rugged, you can just about bet on the kind of cow she'll make. Strong, well-built calves usually forecast big, deep-bodied, heavy-duty milkers with dairy quality written all over them. Thousands of dairymen, growing calves the Purina Way, are getting these big, trim calves—calves without flabby milk-fat and big "milk paunches." They feed Purina Calf Startena. Why don't you do the same? Buy Calf Startena, at your local Purina Dealer's Store—the Store with the Checkerboard Sign.

RALSTON PURINA COMPANY

Headquarters, St. Louis 2, Mo.



SEE THE *Difference* PURINA MAKES

Twin Calves are no great novelty. But these Holsteins on the farm of Carroll Westfall (left), Tama county, Iowa, are the first pair to show up in the county's artificial insemination program. The busy veterinarian for the program is Dr. L. F. Boll (right).

Fayette Wants More Cows Tested

Cooperative Protection Testing Plan Started By Artificial Breeding Group

"IF A COW doesn't pay her way, nobody wants to milk her for the fun of it," says Forrest Durey, senior technician for the Fayette County (Iowa) Cooperative Breeding Association.

"Any other business studies how to operate at a profit," Durey argues, "so why shouldn't dairymen?"

Result of such thinking is Fayette county's new Cooperative Production Testing Association. Its milk testing plan, based on owner-sampling, is sponsored by the county's artificial breeding association.

Milk samples from each cow, taken by the owner, will be collected once a month and tested at the breeding association's laboratory. It's up to the owner to weigh and sample accurately.

The group is set to begin operations with more than 50 herds signed up. Many of these herds are members of the artificial breeding ring.

Three men visited Wisconsin last year to study the owner sampling method of cow testing used in that dairy state. They were Louis A. Kiel, president of Fayette's breeding association, Lyle Jackson and Durey.

"We decided we could do a better job," said Kiel. "Attention there seemed centered on herd averages. We want to get away from that. It's what each cow is doing that counts.

"We're not going into this with the idea of doing any damage to DHIA work," Kiel continued. "The DHIA is valuable, especially for the purebred business. It gives you the benefit of official testing."

But DHIA isn't getting the job done for the average farmer. Not even in Fayette county, with four testers — more than most areas. Number of cows on test in Iowa is under 3 per cent of the total.

Cost of the Fayette plan is reasonable. You pay a membership fee of $10. Then you pay 30 cents for each milk sample tested.

If a man has eight cows milking an average of 10 months, annual cost would be $2.40 a month, or $24 for the 10 months. That is about half the cost of monthly DHIA testing.

Just what does the Fayette plan offer?

"The reports will be strictly private," says Kiel. "Yes," confirmed Durey, "farmers won't be able to commercialize on our tests —but they understand that."

Cooperators will get a report of milk and butterfat production on each cow, brought up to date every month. The recommended rations and rates of feeding will be listed on the back of each report sheet.

At the end of the year, a man will be able to tell what each cow produced and the feed she has consumed.

Quarterly sectional meetings in the county are planned. In these groups, the supervisor will discuss records, feeding and management methods.

The $10 membership fee provides milk scales and sampling equipment. The fee is returnable, less depreciation of equipment, if a man drops out.

Durey did cow testing in Iowa county, Iowa, for four years.

"I think farmer participation is important," he says. "Even by weighing his own milk, the farmer gets more interested. I've gone to farms, when I was a cow tester, where I had to take the record book down from back of the clock and dust it off. It hadn't been looked at since I made the last entry a month before.

"And I think herd averages are a detriment to some farmers. It's surprising what some will do to

Fewer cows will be milked for the fun of it under the owner-sampling method of testing being started in Fayette county, Iowa. Forrest Durey, technician for county's co-op breeding association, will direct the testing.

try to make a herd report look better.

"So we're putting emphasis on the individual cow. Whether to cull her or keep her? And how to get the most out of her feed."

Isaac Paul is a director of the breeding association and is also signed up for testing. He and his son will be milking 20 Holstein cows.

"My wife culls hens that aren't laying well," Paul says. "To me, the testing of cows is the same idea."

In testing, the cow you thought was the poorest sometimes turns out to be the best. You can't tell by looking at her. And you can't afford to feed and care for boarder cows.

The use of good bulls thru artificial breeding is helping create a desire for testing. "People want to know if their heifers from these bulls are better than their dams," Kiel pointed out.

The Fayette Artificial Breeding Association includes 420 herds. The field seems ripe for spreading the gospel of production testing.

Durey is looking forward to the time when they will have a full day's milk testing work from each township. Each day, a man can deliver empty sample bottles to one township and collect filled sample bottles from herd owners in another township.

Testing and record keeping will be done in the central laboratory.

Farmers Are Urged To Order DDT Now

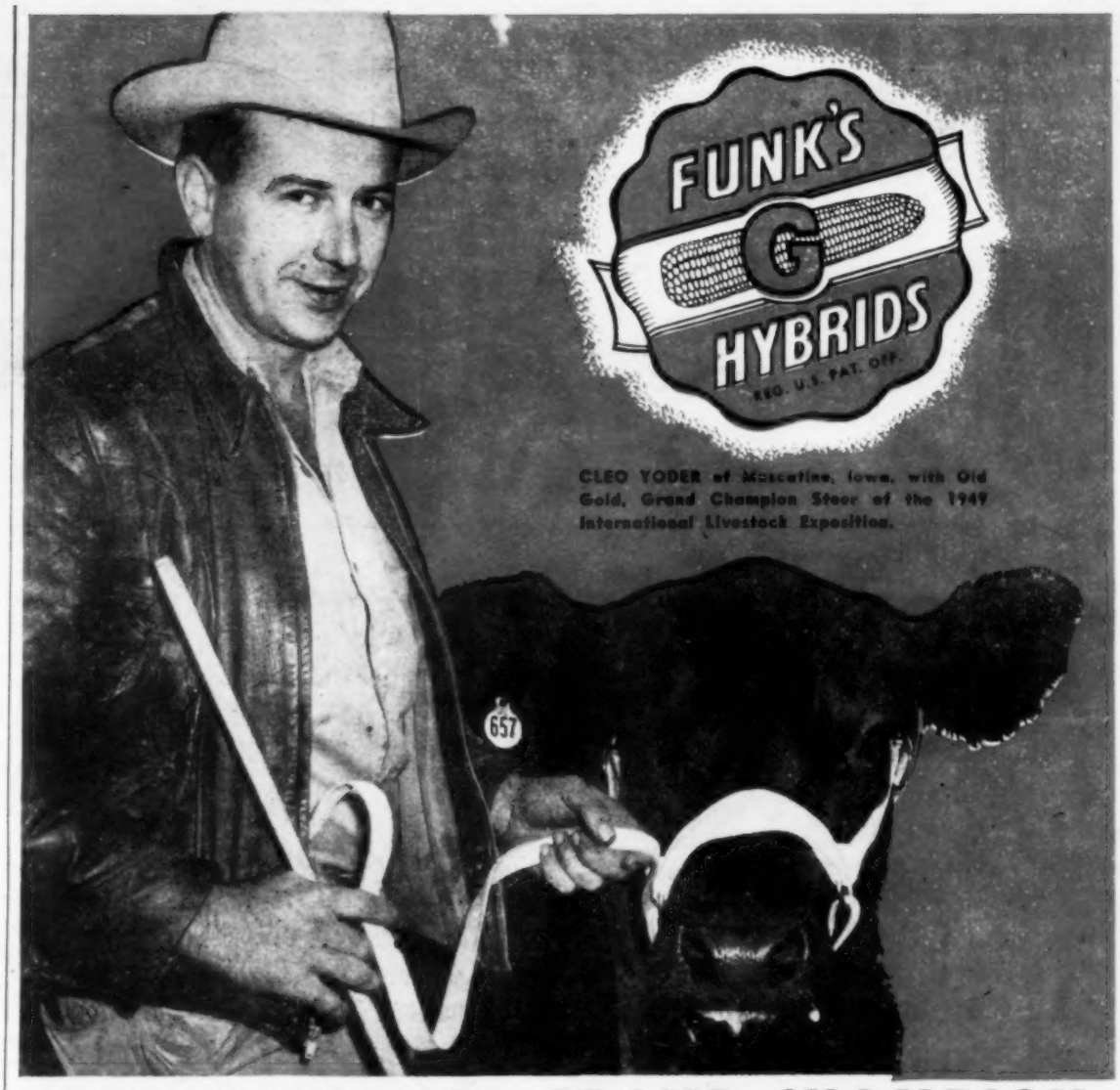
Iowa farmers are advised to order DDT now to control corn borers next summer.

Harold Gunderson, extension entomologist, says the expected big demand for DDT may outrun supplies of the chemical, resulting in delivery delays later on.

Gunderson estimates three million acres of corn may need to be treated for first-brood borers. That would take 1,500,000 gallons of 25 per cent DDT concentrate.

A week or 10 days' delay next summer might mean a loss of 5 to 30 bushels of corn per acre, so Gunderson suggests helping dealers and distributors meet the demand by ordering now.

If you don't use the DDT next summer, it will keep, he says.



CLEO YODER of Muscatine, Iowa, with Old Gold, Grand Champion Steer of the 1949 International Livestock Exposition.

INTERNATIONAL GRAND CHAMPION STEER WAS FED FUNK'S G-HYBRIDS

"Feed the best quality feed you can buy," is the advice of Charles E. Yoder, who, with his sons, Cleo and Carroll, fed Grand Champion Old Gold on their 480-acre Mississippi River bottomland farm. "I like to feed nothing but No. 2 corn," Mr. Yoder told Everett Mitchell recently in an interview for the Funk's G-Hybrid "Great Stories about Corn" radio program. Like thousands of other farmers, the Yoders like the soft-starch kernels and feeding quality of Funk's G.

They like the way Funk's G performs in the field, too. Growing 120 acres of corn on sandy soil with black topsoil, they averaged 75 to 80 bushels an acre in 1948. "That's very, very good for this type of soil," Mr. Yoder said.

ORDER YOUR G-HYBRID SEED NOW

Funk's G-Hybrid seed corn that is perfectly adapted to your farm is available in a good choice of grades and strains. You can depend on this corn for top yields of top quality corn—in good years or poor. See your Funk's G-Hybrid Dealer now—and in 1949 . . . get going with Funk's G.

Like many other hog raisers, Frank Schneckloth, Bennett, Iowa, depends on Funk's G for top results. He is pictured feeding a bunch of thrifty spring pigs.

Chester and Lester Rouchka, twin brothers of Cresco, Iowa, raise about 75 acres of Funk's G and market it as cream and pork. They grew their ninth crop of Funk's G last year, and usually milk about 18 cows and feed out 120 hogs a year.

Consistently Good!

YEAR AFTER YEAR

FUNK'S G HYBRIDS

FUNK BROS. SEED COMPANY

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AND ASSOCIATE PRODUCERS OF FUNK'S G-HYBRIDS

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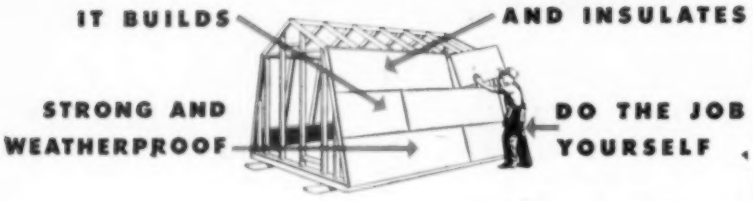

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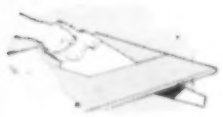

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This Road was at least dry when this picture was taken. After a rain, nobody would be foolish enough to try driving these youngsters to school. And even walking would be a tough job.

Farmers Are Tired Of Mud Roads

As With Job and His Boils, Everyone Is Bound to Run Out of Patience Some Time

What can farmers do to get out of the mud? Maybe we should listen to those farmers who live on mud roads. Mrs. R. E. Newcomer, Appanoose county, Iowa, thinks out loud in the following article.

FOLKS with a stretch of mud road between them and the rest of civilization have three alternatives:

1. The mud-road farmers can wait until the old rocking-chair gets them. Then they can die and leave the roads. They've been pretty patient so far.

But, after a time, even Job asked for relief from his boils. And we don't recollect that anyone said anything to Job about a 20-year plan with certain specifications.

It's so easy for fair-weather inspectors and off-mud people to get callous about the complaints of these rural "Jobs."

2. The farmer on a mud road can study his county's road budget. He can talk with the county engineer. If he persists, he will get considerable information, but not necessarily action.

If his road is in an area where none of the county supervisors is living, or, if it is not near the county-seat, his road improvement is apt to be in the lap of the gods.

3. The mud-road farmer can get his township trustees to recommend (every third year) his road for early consideration by the supervisors. If they say they are fresh out of funds, as they generally are, he has three new choices. The farmer penned in by mud roads then can (1) wait some more, (2) go in with a group for road improvement, or (3) go into road-building himself.

Our neighborhood has samples of these three choices. Here is what happened:

ROAD No. 1: The farmers waited and were lucky. The county built a road three miles long. But it took all of the township's road funds for nine years to build. It would take a quarter of a million dollars to do the same for all the roads in the township. You figure how many years it would take.

ROAD No. 2: This was two and three-fourths miles long, and branched off Road No. 1. It was improved by seven people. Harold Winans summarizes as follows:

Farmers pulled out fences. They hired a contractor with a bulldozer, for $120, to clear out fence rows, slope banks and move dirt to bottoms of hills. Each county ran the grader in its own territory (part of the road was in Appanoose county, part in Davis).

Then the group of seven contracted for surfacing material—ballast from a lately abandoned railroad—at about eight cents a yard-mile for hauling. Total cost of surfacing was $2,100 plus $120 for bull-dozing.

The prorated cost was about $315 per farmer. Davis county later refunded $50 to each farmer. This road is not wide, but it has a good grade and fair visibility.

ROAD No. 3: For months, our neighbor to the south fought a losing battle with mud. He decided to do something about it. With the help of hired labor, he moved fences back, blew out stumps, etc. Cost was over $100 in paid labor to get the three-fourths mile ready.

The county graded the strip. Our neighbor then surfaced the road with the same material used for Road No. 2—ballast from the old railroad bed. Materials and labor on this road ran close to $1,000. The neighbor, Harry McDonald, paid around $660 out of his own pocket.

Interviews with McDonald, now doing promotion work for a cream-

Hub-Deep in south-Iowa mud. Farmers don't see much humor in such a picture.

ery, and with Harold Winans, who helped on Road No. 2, bring out some interesting points.

Winans now drives a Moulton school bus. Between trips with the bus he drives an oil truck. Half of his travel with the bus is back-tracking. There is a gap of four or five miles which, if built as the seven men built Road No. 2, would cut transportation in half.

Winans says that teachers can be hired at the rural school on Road No. 2 cheaper than they could be hired before the road was improved. He says truckers have cut hauling charges as much as one-half.

Driving these country roads, a lot of these men ask themselves: "Whose roads are these that farmers mostly paid for? Anybody can use these roads. But the farmers have been given to understand that maintenance from now on is strictly up to them."

(A road law was passed by the Iowa legislature two years ago, providing that farmers could surface roads under certain conditions, and the county would provide the maintenance thereafter. But county boards can use road maintenance funds where they see fit.—Editor.)

One of the pertinent questions being asked is this: "Are counties levying all the road tax they can?"

This is a vicious approach in a county where income is held down by roads that are so bad that dairy and poultry production are restricted and made impossible by bad roads. And school taxes are heavy because of the transportation load.

Into what channel does state road money allotted on the need basis finally flow? It looks non-uniform, complicated and more than a little mysterious. It seems fully as antiquated as our school system.

It is our conclusion that the simplest and best approach is for rural people to organize into larger administrative units for their schools, and line up roads so children can get to these centers.

It is being said that our legislators do not intend to give counties very liberal school appropriations until it is shown that they have put their school administration in better order.

Why should counties not be required to prove also that the way they build roads is economical and fair to all areas, and pointed toward a goal of all-around growth in the county?

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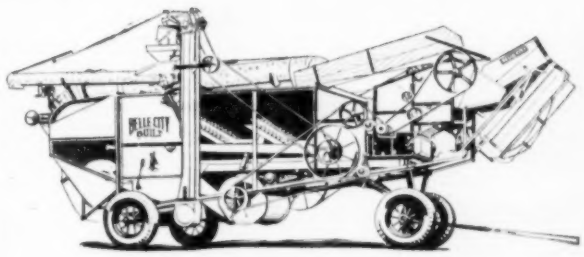
NOW, AND FOR 67 YEARS, THE CHOICE OF THRESHER-WISE FARMERS

There are many Belle City owners today whose fathers and grandfathers preferred Belle City Threshers. Belle City is still the choice of farmers who value a straw stack and appreciate extra-clean threshing done quickly and at low cost.

Throughout the years Belle City has set the pace, size for size, in big capacity, ease of running, clean threshing and simplicity of operation . . . with less expense for labor, power and upkeep.

Always in step with progress, Belle City today is modern to the minute . . . all-steel, hot-riveted construction; full Timken Bearing equipped; Alemite Lubrication . . . a rugged, he-man thresher.



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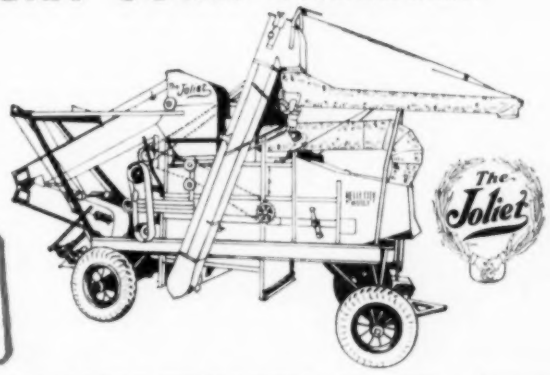
The original, and still a leader . . . modern steel construction; noted for fast, clean shelling, complete separation of corn from cobs, chaff and dirt. Types for snapped or husked corn . . . for dairymen, feeders and for custom shelling. Warehouse shellers also available.



Place orders with your dealer early . . . even with increased production facilities, we have not been able to keep up with the demand.

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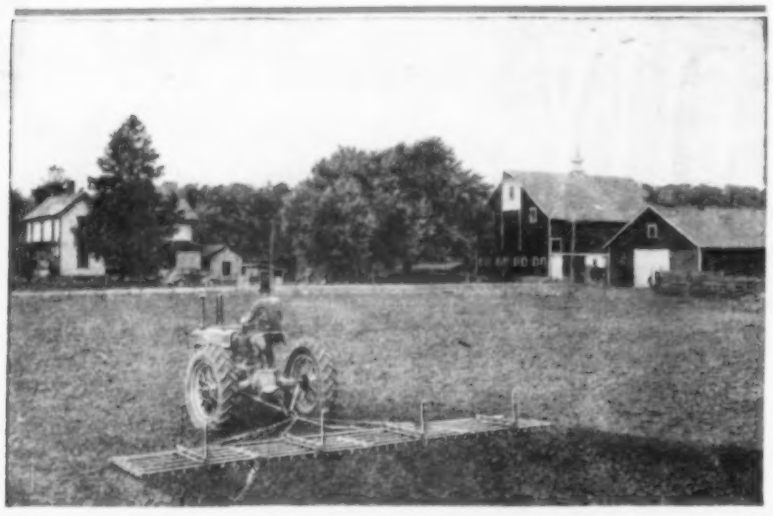

FASTER, BETTER Harrowing

EVERY KEWANEE USER is a booster. They will tell you first hand that the KEWANEE Folding Harrow does an amazing harrowing job never before thought possible. That's because it is the first harrow really engineered for tractor power and *high speeds.* Its vital features are original, **Patented** and exclusive and cannot be duplicated.

Farmers say the KEWANEE harrows 50% *faster* and does a better job, once over, than most harrows do in twice over the field. You get better seedbeds . . . kill more weeds . . . save one or more cultivations . . . and produce bigger crops.

Only KEWANEE has long **Welded Teeth** that take a real "bite" of the soil. Streamlined and self-clearing. No clamps, bolts or extended teeth to gather trash and slow up harrowing. No delays, lost teeth or impaired work. You save *time, work, money!*

More teeth per section, diamond-shaped and dagger-pointed. Cuts every 1½ inches. *Finer pulverizing, better seedbeds—bigger crops!* **Patented Short-Center Tractor Hitch**—harrow does not dig in at the front or raise out of ground at the rear at fastest tractor speeds.

Amazing Folding Feature! Two outer sections fold over to go thru farm gates. Easy to fold. Easy to transport. Easy to store. Farmers pronounce it the greatest improvement in all harrow history!

See your KEWANEE Dealer right away! Make sure of owning America's No. 1 Harrow this coming year. Don't settle for less than the KEWANEE. No other harrow like it. Write for Free Folder.

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LARGEST CAPACITY ELEVATOR BUILT

Engineered to handle big loads with the speed that's needed in these fast-moving days of high-speed tractors, 2-row pickers, combines and balers.

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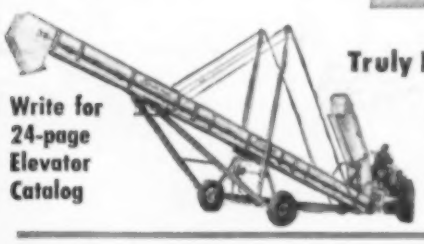
Be ready for harvest this year . . . with the elevator that will store your crops faster, easier and at less cost.

Choose the new, big capacity KEWANEE. Don't send a boy to do a man's job. Don't settle for less than the best. Investigate *today.*



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Easy to move from crib to crib or from farm to farm. Backs into position on the crib in a "jiffy."

Strongest-ever supporting derrick. Holds boom rigidly in position while moving or in any operating position.

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Makers of the Famous KEWANEE Farm Elevators

Maybe you will want to try some of the ideas you read about in this column. If you do, go ahead. But, remember, in many cases you will be experimenting. In order to keep you posted on new developments in agricultural research, some projects are reported when they are still in the "testing" stage. When that happens, publication here is not to be taken as an unqualified recommendation.

Bad Taste Stops Deer Damage

Farmers in Black Hawk, Boone, Shelby or other Iowa counties, who have suffered crop damage from herds of deer, will be interested in a new B. F. Goodrich Chemical Company Product.

The material is mixed with water and sprayed on crops at the rate of one to three pounds per acre. It gives the foliage such a bad taste, the deer refuse to feed on sprayed crops.

Discover Valuable New Vitamin

That "unknown growth factor" animal nutrition men have been excited about has been tracked down by investigators for Merck & Company, a chemical concern.

It's a new vitamin which the discoverers have called B-12. They have found a way to collect it in pure form from the same mold that produces streptomycin.

Researchers have suspected for some time that the stimulation animals seemed to get from certain substances could be explained only by the existence of some mysterious and unknown factor in those substances.

Studies by the USDA, for instance, showed that the factor is present in fish meal and cow manure. Other tests indicated it probably is contained in chicken manure, too, thus partly explaining why poultry does well on deep litter.

Now that the factor has been isolated and identified as Vitamin B-12, it is being made available commercially.

Fertilized Corn Has More Protein

You can't get more nitrogen (protein) out of an acre than the soil contains. So nitrogen fertilizers may be one way to get higher protein content in corn.

D. F. Beard, agronomist at Ohio State University, points out corn from depleted or heavily cropped soils shows lower protein content than corn from well fertilized fertile soil.

In 1948, corn from five fields receiving no nitrogen fertilizer or legume green manure averaged 7.9 per cent protein. On seven fields receiving 50 to 100 pounds of nitrogen per acre, but no legume, the protein content was 9 per cent.

On five legume-sod fields, with no supplemental nitrogen, the protein content was 9.1 per cent, and with legume plus commercial nitrogen the protein content was 9.3 per cent.

In another test, 80 pounds of nitrogen (400 pounds of ammonium sulphate) per acre boosted yields 24.7 bushels per acre; increased protein per cent in the corn from 8.15 to 10.7; almost doubled total protein produced per acre, increasing it from 238.2 pounds to 460.8 pounds.

Baiting vs. Dusting For 'Hoppers

Entomologists at the University of North Dakota compared baiting with bran mixtures and dusting with the same insecticides for killing grasshoppers and black field crickets. There was little difference in results, tho baiting seemed to have a slight advantage.

Chemicals tested at the rate of one pound per acre in both bait and dust included chlordane, BHC and sodium fluosilicate. All were highly effective.

Parathion 2 per cent and toxaphene 10 per cent also were tested at the rate of 20 pounds per acre. Both gave satisfactory control.

Electricity From The Sun?

Poor-land farmers some day may be making more money by producing electricity than they can by growing crops, thinks Dr. John M. Arthur, of the Boyce Thompson Institute for Plant Research.

If all the energy in the sunlight falling on an acre of land could be turned into electricity, says Doctor Arthur, it would be worth about $106,000 a year. Plants, he says, use only about $1,000 worth of sunlight, and the rest goes to waste.

Research already is under way to find out how to capture energy from the sun. Big problem, says Doctor Arthur, is to figure out some way to store the electricity as it is made.

Preservatives For Grass Silage

Blackstrap molasses, corn molasses and ground cereal grains all were found easy to add to the silage and effective in improving keeping quality and palatability of various silages, in tests at the University of Illinois.

Bulletin 529 also points to the following materials as ineffective or of little value as silage preservatives: Ammonium carbonate, ground corn cobs, lactic acid culture, sodium sulfate and urea.

OUTSIDE STUFF

"EVERY year, when early pigs are coming, I swear I'll never raise another early pig," says George A. Heikens, Clay county, Iowa. "But I keep right at it."

• • •

THIS year, Heikens' gilts start farrowing February 10. If you are equipped for them, early pigs do have advantages. Biggest one is that you usually can hit a stronger market with them.

• • •

IT WAS interesting to sit in on last week's Des Moines sessions of the Iowa Flight Operators Association as members threshed out standards for the men who spray or dust farmers' crops. This group is making a sincere effort to eliminate scallywags from its ranks.

• • •

THE pilot-operators in the association are anxious to do a good job when you hire them to make an aerial attack on corn borers, grasshoppers or weeds. After all, they realize that if you aren't satisfied you won't be hiring them a second time.

• • •

I HAD an interesting visit with Melvin Jensen, of Clay county, Iowa. Jensen is strong for paved feed-lots, but says you want to leave a section of each lot unpaved. If you bed steers on the ground and also on the paved section, the steers will choose to bed down on the ground, he says.

• • •

JENSEN feeds lots of cattle, raises purebred Durocs and Herefords. The average quarter-section farm, with a good rotation, has enough wasted roughage to keep 25 stock cows or winter 25 steers, Jensen thinks.

• • •

FRED Ludwig and his neighbor, Fred Dubbert, of Pocahontas county, Iowa, have a suggestion which some alert custom spray operator ought to adopt. They thought of it when a fellow wanted to steam-clean their tractor.

• • •

WHY not some kind of a portable outfit to steam-clean farrowing houses, brooder houses and portable hog houses? It would be a big help to farmers, ought to get plenty of business, they say. They may try to tinker up such an outfit for their own use.

• • •

PROBABLY some FFA chapter, or group of farmers, already is operating such an outfit. If you know of one, we'd like to hear how it works.—W. D. Inman.

It's no use, bud! My wife does that as soon as I go to bed."

No job is too tough... no weather too bad for the USTRAC!

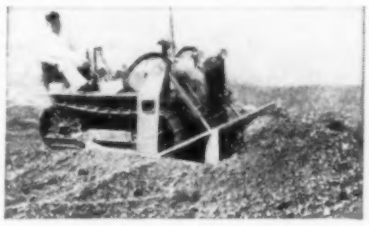
Just make a note of the jobs on your farm that your present wheel tractor can't handle. Perhaps you need a drainage ditch . . . a gulley filled . . . a road repaired . . . stumps or rocks removed . . . hedge grubbed . . . post holes dug. You can do ALL these jobs and many more with the USTRAC . . . as well as your normal farm work such as plowing, disking, harrowing, harvesting, feed grinding, etc.

Pulls 3-Bottom Plow

The USTRAC pulls a three bottom 14" plow in third gear under normal conditions. Will operate in wet, loose ground where a wheel tractor would bog down. No weather is too tough for the USTRAC!

Ideal for Orchards and Vineyards

Delivers 31.2 Brake HP, 20 HP at the drawbar — yet is only 37 inches wide and 54 inches high. Ideal for orchards and vineyards. Can't be beat for hillside work; rough terrain; narrow working widths. Extremely maneuverable and easy to operate. Economical — cuts fuel costs as much as one-third over wheel type tractors.



Heavy duty 5-foot bulldozer gives ample capacity on dozing jobs. Double hydraulic arms — 600 lbs. per sq. in. working pressure.

Power winch delivers 3-ton pulling capacity — shown here winching a log 32 inches in diameter. Cable drum holds 325 ft. of 3/8" cable.

USTRAC's Dependability Backed by Thousands of Tractors

The USTRAC gives you all the features of the Clark Airborne tractor that performed so outstandingly during the last war. Over 3,000 of these tested, proved tractors are in civilian use today. USTRAC's 4-cylinder Continental gasoline engine is well known for its long life and dependability. Four forward and four reverse speeds, up to 5.8 MPH.

◀ USTRAC *"Speedigger"*

Digs up to 600 post holes per day. All size holes, any depth. More "Speediggers" in use than any other. Fits 87 models of wheel and crawler tractors, Jeeps and trucks.

Complete Line of Attachments and Implements for the USTRAC

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- POWER WINCH
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- DISK HARROWS Single and Tandem
- SPIKE TOOTH HARROWS
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- ROLLER-PACKER-MULCHER
- MANURE SPREADER
- FARM WAGONS
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- GRAIN ELEVATOR and UNLOADER

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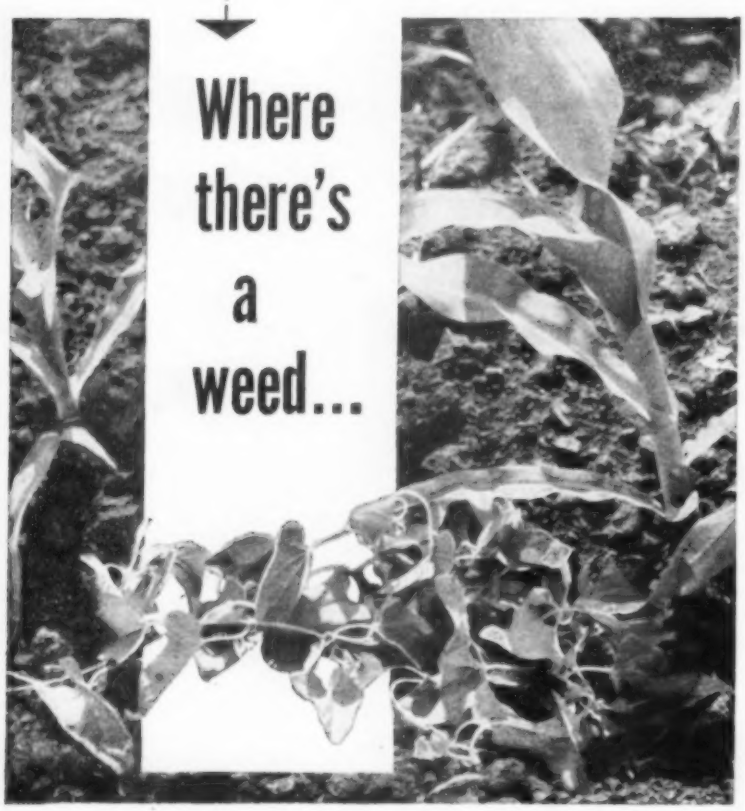

...there's a way!

This will be a very bad year—for weeds! Farmers and ranchers the country over are buying and using more and more Dow weed killers. They know by profitable experience that the *right* Dow Weed Killer used *right* and at the *right* time means bigger yields of wheat, oats, barley, flax and corn.

Dow research—in close cooperation with local experiment stations—has developed a complete line of weed killers for every common weed problem. Your Dow dealer offers you a *choice* of these tested and proved weed killers: 2-4 Dow Weed Killer, Formula 40 (amine salt of 2,4-D) for regular and low volume spraying; 2-4 Dow Weed Killer Powder (sodium salt of 2,4-D) where very low volume spraying is not necessary; Esteron 44 and Esteron 245 for stubborn weeds and woody growths; Dow Contact Weed Killer for "chemical mowing"; and Dow Selective Weed Killer for use on grain interplanted with legumes and on peas. Ask your dealer, your state experiment station or your county agent to help you choose the *right* Dow Weed Killers for your needs.

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Washington Wire

Won't Limit Corn Acres This Year

But 1950 May See Acreage Allotments And Marketing Quotas Unless Law Is Changed

WASHINGTON, D. C.—Would you like to go back to acreage allotments? Do you want your county AAA committee giving you the number of acres you can plant in corn? And telling you what to do with the acreage you take out of corn?

Don't get excited. This won't happen in 1949.

The Department of Agriculture has just announced that it won't ask for allotments and marketing quotas this year. Supplies are big enough, under the law, to justify such control measures.

But the department says we need to build up big reserves of corn, and therefore can run wild on production for another year.

But 1950 may be different. Unless the law is changed, a crop of 3,200,000,000 bushels in 1949 would force acreage allotments and marketing quotas in 1950.

If there is a control program in 1950, it probably would be aimed at a crop of 3,000,000,000 bushels. A few hot winds could take care of that cut easily.

How much old corn will be on hand next October? That's one of the things farmers would like to know.

The department's guess is that there may be 700,000,000 bushels on hand at that time. That will take a lot of storage space.

Of this total, the department—thru the Commodity Credit Corporation—may have to take over at least 300,000,000 bushels. Will there be enough bins and other storage space to handle it?

With a good crop in 1949, corn would be piled up in the open unless a lot of crib and bin construction goes on this summer. And "free corn"—the kind that isn't dry enough or well enough housed for a loan—could be cheap.

What's the government going to do about grain storage? Congressman Hoeven of Iowa has introduced a bill to let CCC do whatever it needs to do in this line. But what is the administration's plan?

Nobody knows yet. President Truman, in his budget message, said that the government expects to spend $26,000,000 on storage facilities. But what kind?

Secretary of Agriculture Brannan has told the senate agriculture committee that he wants to encourage farmer cooperatives to provide more storage space.

Senator Elmer Thomas, chairman of the commission, thinks federal action should encourage private industry to build more storage space.

Secretary Brannan has promised to present detailed recommendations in a short time. One rumor is that a big allowance on depreciation, like that given industries in war-time, may go to farmers. (See editorial on page 6.)

What the administration will do on long-range price supports is still doubtful. President Truman's messages seemed to lean toward flexible supports.

Secretary Brannan, however, asked the senate committee to give him more time to present the administration's views. He said it might take a month to get the farm program lined up.

Brannan is concerned about the split in farm ranks on this issue. He probably hopes that the farm groups can agree on the same general kind of program before he makes his own recommendations.

Brannan, secretary of agriculture, delays recommendations, hopes to get differing farm groups to agree on program.

Supporters of the proposal to continue rigid 90 per cent of parity supports are getting jumpy about this delay. They fear that stalling in congress may work against them. Supporters of the flexible system may use this time to sell the idea to congress and to the public.

What does President Truman's bold inaugural address proposal for helping to develop backward areas in other parts of the world mean for farmers?

His aides say the proposal is a part of a broad Truman plan to build world peace and to keep this nation prosperous. Under his plan, American money and brains would be encouraged to go to work abroad. This would mean greater employment for Americans. It would mean greater investment opportunities for American cash.

There would be no need for a return of unemployment, or for capital to go into hiding.

Truman leaders say all of this would mean continued heavy demands at home and abroad for

Thomas of Oklahoma fears delay in farm legislation will hurt those who are backing 90 per cent of parity price.

American farm products. Exports of food could be expected to continue heavy for many years, they say, if this plan is put in effect.

They say it is the president's idea that Europe, for instance, should be discouraged from returning to a way of life in which it sought to produce the bulk of its food. Europe, they say, should be urged to expand industrial output and to import more of its food from this and other big agricultural producing countries.

The president's plan was advanced at a time when Europe appears to be headed back to the pre-war set-up under which it tried to make itself self-sufficient on food.

The agriculture department reports that there are indications that the consumer demand for meat is declining. Officials are afraid that this might have a bad effect on hog production. This is causing them to study the problem of hog price supports.

One plan has been advanced in the department that would do away with price supports as such. Market prices of hogs would be allowed to go where the supply and demand took them. But farmers would be paid subsidies amounting to the difference between the average monthly hog price and 90 per cent of parity for hogs.

Don't be surprised to see the government adopt this plan if hog prices threaten to drop near the present support level.

The reduction in the price support for potatoes from 90 to 60 per cent of parity does not appear to be too discouraging to farmers. A government survey indicates that farmers will plant only 7 per cent less acreage for the 1949 crop than was planted last year.

The American Farm Bureau Federation is standing firm on the flexible price supports provided by the Aiken-Hope bill.

The Bureau's board of directors, meeting here, voted down a proposal that it urge congress to provide 90 per cent floors when production and marketing controls are in effect.

This proposal was advanced at the federation convention in December. The convention referred it to the board for decision.

The board's action was a victory for President Allan Kline. Kline contends farmers prefer flexible supports to the controls that would be necessary with 90 per cent supports.

"John, just how did you get this practical land use plan started—and how much did it cost you?"

"Well, Red, our top soil was leaving with every rain. Each year our yields dropped and our pasture land became poorer. That's when we decided to call in the local Soil Conservationist."

"We only had about 17 head of cattle because that's about all the pasture would support. But the local Soil Conservationist told us that we could more than double our herd by putting each acre of land to its best use. He worked out a map of the farm, showing hills which I never knew existed. From these maps we made our contour and terracing plans."

"Then he went into each field and took borings of the ground. These were analyzed and from these technical reports the conservationist was able to tell us how much fertilizer was needed for maximum productivity."

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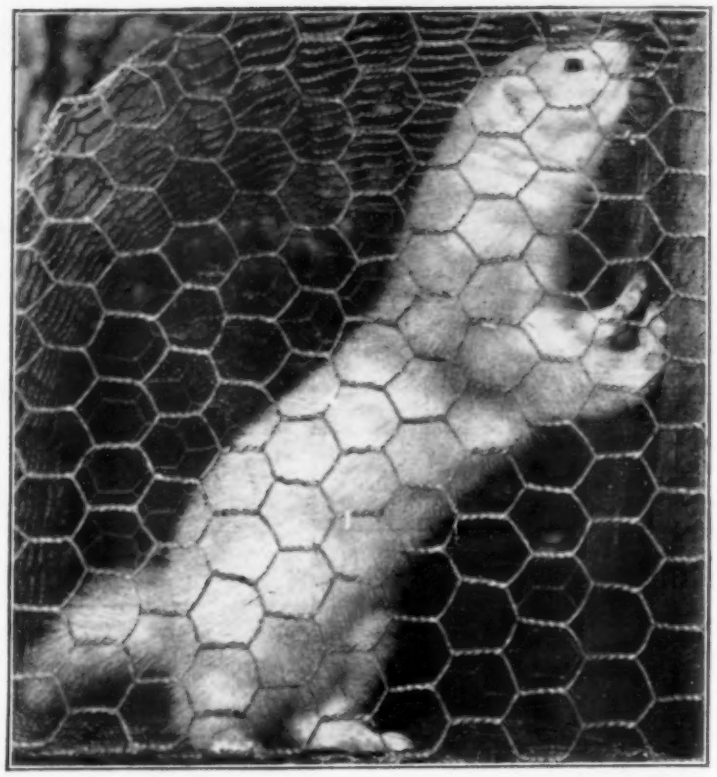


1 Mink Farming is big business for Joe and Al Stuekerjuergen, Lee county, Iowa. They keep around 2,600 mink of various colors — pastel, pearl, silverblu, aleutian blue, and the standard dark. This one is a grand champion pearl. The "crop" this winter was about 1,500 pelts. See other photographs on opposite page.

Farm and Feed-Lot

Nitrogen Makes More Brome Grass Seed

How would you like to trade 100 pounds of 33-0-0 fertilizer for 85 pounds of brome grass seed?

Perhaps you can do this, if you have a sod-bound field of brome.

Maurice Heath, formerly in charge of the SCS nursery at Ames, Iowa, found that nitrogen in the form of ammonium nitrate gave large and quick seed increases where brome grass was sod-bound.

For each pound of ammonium nitrate up to 250 pounds per acre, seed yield of the brome grass was increased by .85 of a pound.

Application made early in the spring produced these excellent results.

How Many Hills In One Acre?

To the Editor: How many hills of corn are there in an acre when corn is planted in 40-inch rows? — F. B., Plymouth County, Iowa.

In one acre you should get 3,920 hills of corn when the hills are planted 40 inches apart both ways.

Is Alfalfa Okay On Winter Wheat?

To the Editor: Would it be all right to sow alfalfa in the spring on winter wheat that I sowed last fall?—G. R., Lee County, Iowa.

Alfalfa has been sown early in the spring on fall-sown wheat while the ground is still frozen. The seed is covered by the alternate freezing and thawing of the soil surface.

But often the wheat gets such a start that it shuts out the light from the alfalfa. In view of the high cost of seeding alfalfa, it might be wise to consider sowing the alfalfa after you take the wheat off this summer. Or if some other field is suitable, you could sow it with oats this spring.

How Do Phosphates Compare?

To the Editor: How does rock phosphate compare with superphosphate?—K. H., Lincoln County, South Dakota.

Rock phosphate is untreated phosphate, ground for convenience in spreading. Superphosphate is rock phosphate which has been treated with sulphuric or phosphoric acid. The acid treatment partly breaks down the phosphate so that it is more readily available to the plants.

Rock phosphate goes into solution over a 10-year period, while superphosphate is mostly available during the first year.

Exeter Is Oats For Canada

To the Editor: Is Exeter oats as good as Clinton, Benton and other oats?—H. N., Warren County, Illinois.

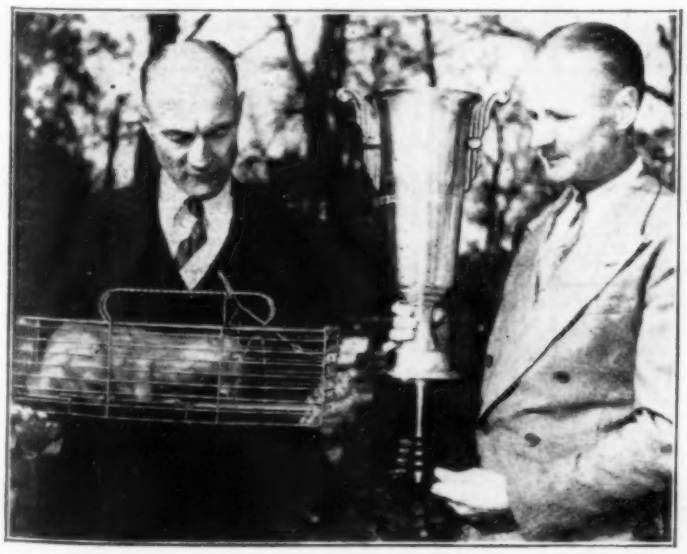
Exeter is a Canadian oats. It was developed to fit Canadian conditions, and has yielded well there.

But tests at Iowa State College have shown that the Canadian oats are susceptible to crown and stem rust. Maybe you could grow them successfully in some seasons, but it would be risky.

2 Mink Menu is 60 per cent horse-meat, 15 per cent cereal, 15 per cent fish, 10 per cent liver and lung. Mink on the six-acre Stuckerjuergen plot eat one horse per day.

Cash Crop: Coats

3 Killing of mink is quick and painless—with 220 volts of electricity. The pelts bring from $10 to $50 each, depending on color and texture; 60 to 80 pelts are needed for coat.



4 Many Prizes are won each year by mink shown by Al (at left) and Joe Stuckerjuergen. They've fur-farmed 17 years, think mink are beautiful—"around a lady's neck."

MASTITIS

The Dairyman's Worst Enemy!

In Illinois alone losses from mastitis totaled more than $7,500,000 in one year.

Don't take chances with YOUR herd!

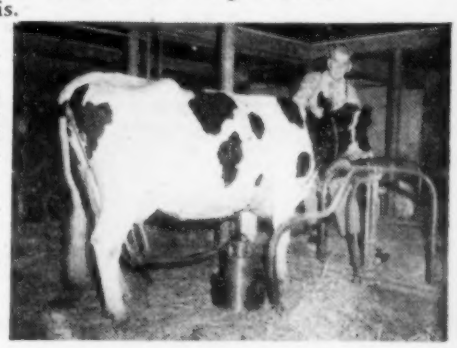
MARLOW MILKERS

Assure Healthy Udders!

Users everywhere tell us that the Marlow Milker, with perfected low vacuum and a combination of special Marlow features, has helped them eliminate mastitis.

● The MARLOW MILKER was developed and is produced by J. C. Marlow, a man with 40 years experience selling and servicing milking machines and breeding purebred dairy cattle. His experience in these fields, and his study of mastitis enabled him to design the new, modern MARLOW MILKER.

● And the MARLOW MILKER is *definitely easiest on udders!*



J. C. Marlow with one of his prize cows—Minnesota State Champion junior 4-year-old Oestie Femco Alma Ideal with 875.10 lbs. fat, 19594 milk, 4.5% test.

● The MARLOW MILKER gets *all* the milk *faster* without irritation or stripping. Teat cups do not pull, tug or crawl. Its simple design of stainless steel and specially molded natural gum rubber makes the Marlow the most easily cleaned milking machine made today.

READ THESE LETTERS FROM MARLOW USERS

Elmer Johnson, Eagle Bend, Minnesota.: "Have had no mastitis since using the Marlow Milker."

George J. Weidman, Cedarburg, Wis.: "I have not had a single udder flare-up since using the Marlow Milker. If only all dairymen would use the Marlow, I am sure mastitis would be eliminated."

Karl F. Behling, Oconomowoc, Wis.: "We used to have considerable mastitis and our veterinarian advised us to use a Marlow Milker. The udder condition improved greatly since using the Marlow without any medical treatment."

Virgil F. Albert, Mgr., Nashotah House Mission Farm, Nashotah, Wis.: "The Marlow Milker has been a big help in cleaning up our mastitis."

Jerry J. Harrington, Plainfield, Iowa: "I hope more people have the benefit of the wonderful Marlow Milker and mastitis will not be a problem to dairy farmers."

Hugh McDonald & Son, Floodwood, Minn.: "We used to have trouble with mastitis, until we bought the Marlow Milker. The cows' teats and udders are in wonderful condition now."

Floyd Heiller, Melvin, Iowa: "The first purebred Holsteins I bought I lost all of them with udder trouble—mastitis. Now I have the Marlow Milker, and have had no mastitis or udder trouble of any kind."

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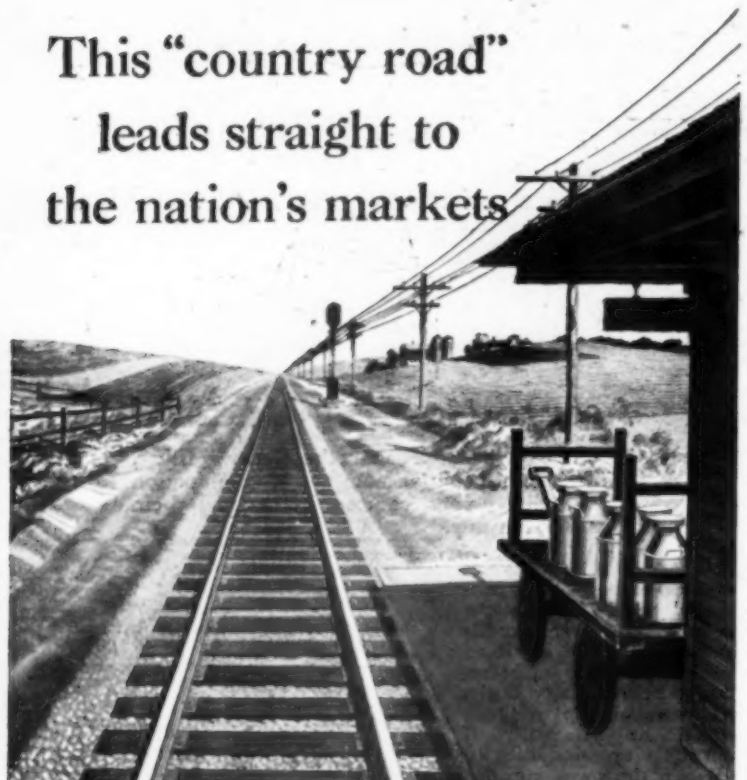

● The early American farmer knew every turn of the winding road on which he made the all-day trip to the nearest town—his only market.

Today the farmer's market begins at the nearest railroad loading platform—and extends to profitable markets all over the land.

Last year, for example, the railroads helped move the greatest harvest ever produced in a single year by any nation. They also hauled the bulk of the other raw materials produced by our nation's farms, forests, and mines—as well as most of our manufactured products. And they handled the entire job for an average charge of only 1¼ cents for hauling a ton a mile.

In performing this service, the American railroads once again proved to be the most efficient and economical transportation system in the world. To do an even better and more efficient job in the future, the railroads are now buying cars and engines, reducing grades and curves, improving signals and shops, adding to their facilities—at a cost of a billion dollars a year.

The only way the railroads can carry on such a program for still better service is to have earnings which are more nearly in line with today's costs—earnings which will justify the large investments needed.

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WASHINGTON 6, D. C.

If He Doesn't Go To High School...

Some Farm Boys Don't Go Any Farther Than Eighth Grade—How Many and Why?

Only 58 per cent of Iowa's 15 and 16-year-old farm boys were in school when the census was taken in 1940. Why did they stay out of high school? Thousands of farm boys of high school age are not in school today. What kind of boys are they?

The following article gives some clues. It is based on a study made by William H. Dreier and Burton W. Kreitlow, of the University of Minnesota.

JIM is now 16 years old. He's an average farm boy in many ways—except that he didn't plan to be in school this year.

There are a lot of Jims in the corn belt. They aren't going to school, either.

Take Jim as a typical boy who doesn't go to high school. He and his father run a 160-acre farm. The family has six children. Jim's older sisters went to high school on the same bus that he rode to the grade school.

But when Jim was asked about his future educational plans, back in 1946, he said: "I want to be a farmer, and do not need any schooling beyond eighth grade for that."

How many are there like Jim? In 1940, the census reported that practically all the boys between 10 and 13 were in school. But only half of the boys of 15 and 16 were in high school.

Iowa had 58 per cent of the farm boys of 15 and 16 in school. Minnesota had 44 per cent.

That's what is happening. But why does it happen?

Let's look at Jim again. His father and mother went to country school. The mother also had some normal school training. None of Jim's aunts or uncles went beyond eighth grade.

John, like Jim, wants to be a farmer. But he couldn't see how schooling beyond the eighth grade would help him.

But John and Jim are not typical of boys who really want to be farmers. Of 109 boys in the grades, who planned to farm, only 29 per cent said they did not intend to attend high school.

Apparently, a boy who doesn't know what he wants to do is more apt to go to high school. Of those who gave no choice of occupation, only 7 per cent said they didn't plan to attend high school.

Reasons for not planning to attend high school were given by many of the farm boys.

Most popular reason, noted in 40 per cent of the cases studied, was: "I have to work at home." Second reason was: "I don't need further education in order to farm."

What kind of a farm boy quits school at eighth grade? The study by Dreier and Kreitlow shows that this boy usually has:

1. Parents who did not attend high school.
2. Three or more brothers and sisters.
3. Plans to be a farmer.
4. Parents who encourage farm work more than school attendance.
5. A conviction that more schooling won't help him succeed as a farmer.

If a farm community wants more of its boys to attend high school, where is the place to start? Parents may have to be converted to the value of high school. Grade school teachers may have to do a better job of proving that further education pays in farming.

Mr. F. A. Bald says:

"WYNN'S FRICTION PROOFING OIL... *keeps our Conveyor Motors running in all Weathers!"*

Mr. F. A. Bald's firm, The Hannan Coal Co., 9th and Cash Sts., Burlington, Iowa, is a major coal supplier for the town. Here is how Mr. Bald sums up their use of WYNN'S FRICTION PROOFING OIL!

"Our outside coal conveyors are operated with gasoline motors. They are outside in all kinds of weather, day and night. During a heavy rain, these motors get wet and rusty... valves stick and the motor is difficult to start. Formerly this was one of our biggest headaches ... Now, our mechanic simply gives the motors an extra shot of WYNN'S FRICTION PROOFING OIL... and immediately, everything is O.K.

"We Friction Proof our trucks, too, and, by actual test, this gives us 10% more R.P.M. for the same throttle setting. Friction Proofing has saved us many a dollar in maintenance!"

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QUIPS AND QUOTES

IF YOU'RE A MAN of few words, you won't have so many to take back.—Manning Monitor.

A WOMAN spends the first half of her life looking for a husband and the last part wondering where he is.—Washington Journal.

THE SPIRITUALIST told the widow that the message from her husband asked for cigarettes. "Where shall I send them?" she inquired. "Well," remarked the spiritualist, "you notice he didn't ask for any matches." — Guthrie Center Times.

AND NOW COMES the suggestion to automobile manufacturers to perfect a brake that gets tight when the driver does. — Walnut Bureau.

THERE ARE ABOUT a million more women than men in this country. Then, when things do not go right, who is to blame?—Algona Upper Des Moines.

A LOT OF BAD CHECKS are beginning to show up in various places. Does this mean that the joyride is about over?—Knoxville Express.

THINGS ABOUT STRIKE a balance, don't they? We spend more on coal than we used to, but much less on underwear.—Indianola Record-Herald.

THE ONLY REASON a lot of Americans do not own an elephant is that they've never been offered one for a dollar down and a dollar a week.—Pella Chronicle.

IT'S HARD to figure out why a girl thinks a man is rude when he stares so hard at what she is trying to display. — Lenox Time Table.

A DIME IS A DOLLAR with all the taxes taken out.—Lake Mills Graphic.

AS FOR IOWA weather, we'd as soon skip January, February and most of March. We're sorry, but that's exactly the way we feel about it.—Estherville News.

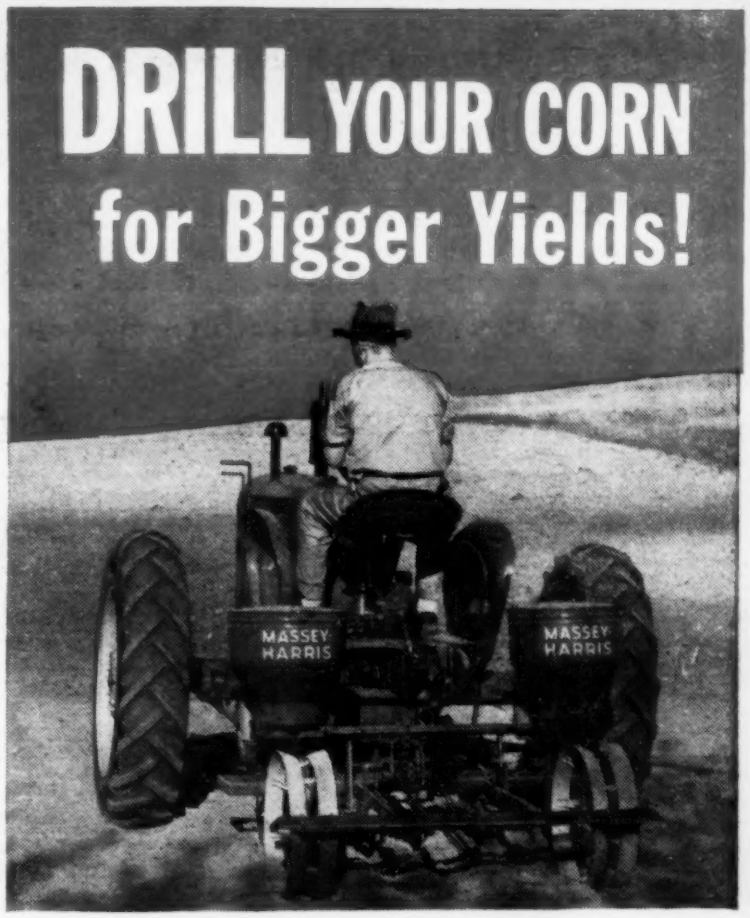
EFFICIENCY experts get richly paid for a job which would be called nagging if a wife did it.—Mason City Globe-Gazette.

OUR IDEA of a hick town is a burg where there's no place to go where you shouldn't.—Waverly Democrat.

ONE HUSBAND told us he bought his wife a girdle for Christmas because it's the only gift he knows that will keep on giving.—Waverly Democrat.

THERE DOESN'T appear to be much value in snow. Most of the water in it runs off before the ground is thawed out. As far as nitrogen is concerned, snow is almost a total loss. And, as far as we're concerned, we can get along nicely without it. — Alton Democrat.

DRILL YOUR CORN for Bigger Yields!



Drill Planting is *FASTER*... and Picking is *EASIER*...

With the development of hybrid corn, contour farming, chemical weeding, and the need for faster operation, the check-row planting of corn has long been outmoded.

The modern way of planting corn is to drill it—up to 75 acres a day with a four-row Model 433 Massey-Harris Drill Planter; up to 40 acres a day with a two-row Model 233.

Such speed is possible with a Massey-Harris Drill Planter because planting moves right along. The bothersome check-wire that wastes time . . . cross cultivation with its bumping and bouncing to tear you apart at high speed . . . the bang, bang type of harvesting that wears out pickers—all are of the past.

With a Massey-Harris Drill Planter, the whole operation of growing corn moves along more smoothly, more speedily, and more profitably, with equal or better yields as compared to the older method.

This semi-mounted corn planter is simplicity itself. No check-heads —no valves. Can be put on or taken off in *less than a minute*—as fast almost as you can put on a pull-type planter. It is but one of many mounted and semi-mounted tools built for Massey-Harris Tractors . . . tools and tractors that are engineered, designed, and constructed to do more and better work at lower cost, with less effort.

Get the whole story of this new and faster way of planting corn. Ask your Massey-Harris dealer for a copy of the Massey-Harris Buyers' Guide which illustrates and describes the entire line of modern Massey-Harris tractors, combines, and equipment. Or write for one direct to The Massey-Harris Company, Quality Avenue, Racine, Wisconsin, Dept. 25.

Make it a Massey-Harris

MASSEY M-H HARRIS TRACTORS COMBINES IMPLEMENTS

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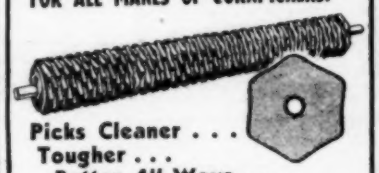
FOR ALL MAKES OF CORNPICKERS!



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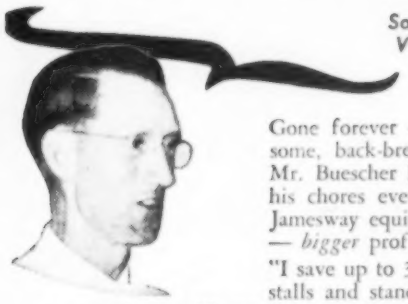


Says Ignatz Buescher
Venedy, Ill., farmer

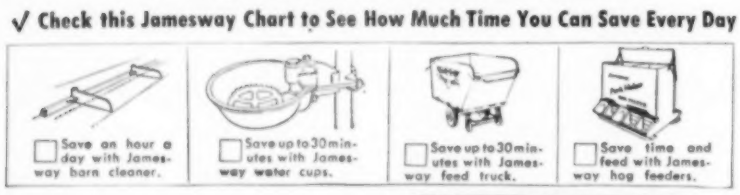
Gone forever — 1½ hours of needless, tiresome, back-breaking drudgery! In its place, Mr. Buescher has gained *extra* time to do all his chores even better. That extra time plus Jamesway equipment means higher production — *bigger* profits!

"I save up to 30 minutes a day with Jamesway stalls and stanchions," Mr. Buescher says. "I save an hour with my Jamesway water cups. Add to that the time I save with Jamesway ventilation and other equipment and you can see how I have cut my chores 1½ hours. My herd is easier to handle and my milk check has increased 10%."

Now's the time for you, too, to modernize with Jamesway! Drudgery is *expensive!* Don't let it rob you of precious time and money. Jamesway equipment costs surprisingly little. Lasts for years and years. See your dealer. For literature, write James Mfg. Co., Ft. Atkinson, Wis., Dept. WF249.

Ignatz Buescher, right, tells Jim Batton of Mascoutah Equipment Co., how Jamesway water cups have increased milk production.

✓ Check this Jamesway Chart to See How Much Time You Can Save Every Day



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Winter Rations have a lot to do with the kind of gains made during the next summer on pasture, feeding tests show. These calves are on a Des Moines county, Iowa, farm.

Test Winter Feed For Beef Calves

Too Much Grain In Ration Now Will Mean Some Cut In Pasture Gains Next Summer

WINTER rations have been the subject of much argument among beef cattle men. Debate centers around two methods of feeding calves that are to be put on pasture the next spring.

1. Some say calves should be fed mostly roughage. They would just keep the calves thrifty thru the winter. Then, they say, the calves will make big gains on cheap pasture the next summer.

2. Another group of beef cattle men say you should feed the calves grain thru the winter. Keep the calves gaining at a good rate. They believe fleshy calves will still go on pasture and continue to make good gains.

An experiment station has made tests with different winter rations for calves. Here are the results from feeding 500-pound calves at the Purdue station. Results from the five lots throw some light on other calf feeding problems, too.

LOT 1—These calves were fed clover and timothy hay thru the winter with bone meal and salt. They received no grain at all.

Results: The calves gained 136 pounds thru the winter. Then, in the pasture season from May 1 to September 3, they gained 181 pounds. Total gain for winter and summer was 317 pounds.

LOT 2—Four pounds of ground shelled corn were added to the clover and timothy hay for this group of eight steer calves. The mineral and salt were fed the same for each lot.

Results: These calves gained 230 pounds thru the winter. Then, in the four months pasture season, they gained 151 pounds. Total gain for wintering and pasture was 381 pounds.

LOT 3—These calves got the same ration as the lot just above, except that four pounds of ground ear corn were fed instead of the ground shelled corn.

Results: The winter gain was 205 pounds. Pasture gains from May 1 to September 3 were 166 pounds. Total gain for winter and summer was 371 pounds.

LOT 4—Silage was introduced into the ration for this lot of eight calves. They got clover and timothy hay, 15 pounds of silage, one pound of shelled corn and mineral and salt.

Results: Gain was 181 pounds for the winter season. Pasture gains were 166 pounds. Total gain, winter and summer, was 347 pounds per calf.

LOT 5—Protein feed and silage were fed to this lot of eight calves. Ration was clover-timothy hay, 15 pounds of silage, one pound of protein feed and mineral and salt.

Results: The calves gained 221 pounds each thru the winter. The gains for the four months pasture season were 130 pounds. Total gain for winter and summer, 351 pounds per calf.

Beef cattle specialists at Purdue draw these conclusions from the feeding test:

1. If calves are to be pastured the following summer without grain, the gain thru the winter should not be too large or the summer gains on pasture will be reduced.

2. The most economical ration (considering the winter period only) is the one that contains one pound per head per day of protein feed (Lot 5). Gains in this lot cost $21.65 per hundred, compared with $27.57 for Lot 1, $23.66 for Lot 2, $24.30 for Lot 3, and $25.87 for Lot 4.

The man with a bunch of calves might say the experiment still doesn't answer the question as to how well calves should be fed in winter. Here are your two choices:

1. No grain or protein for calves in the winter, with slow and high-priced gains during the winter. Then big gains can be expected on pasture.

2. Grain and protein with roughage in winter and winter gains comparatively cheap. Gains in the summer on pasture can be expected to be smaller and more costly.

It seems to be a question of cheap winter gains as against cheap summer gains.

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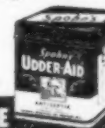

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HANDI-HINTS

Here's Way To Stop Tail Switchers

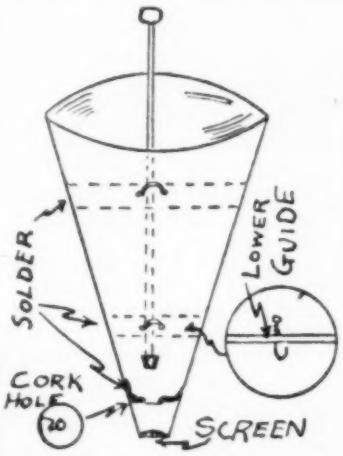
The cow's tail doesn't get in this farmer's face while he is milking. He takes an old gunny or feed sack and slips it over the cow's

tail. Then the sack is suspended from the ceiling.

The cow has considerable room to move her tail, so she won't get as uneasy as if it were tied to her leg or tied back to the barn wall. But the milker is protected from the tail-switching cow.

Safety Funnel For Tractor Fuel

Do you sometimes fill the funnel too full when you fill your tractor fuel tank? Then you know



how the fuel runs down over the tractor, making a fire hazard if your engine is hot.

The diagram shows how to put in a cork safety plug. Then you push down on the rod, and plug the hole in the funnel bottom above the screen. Remaining fuel can be put back in storage.

Glass Jug Traps House Mice

An ordinary gallon glass jug is said to be an effective mouse-trap. This is the set-up:

Take a 2x4 block five inches or so long. Lay it on edge, with the mouth of the jug across the middle, and drive a small nail on each side, to keep the jug from rolling off. Mouth of the jug should be tipped up a little and should extend only half-way across block.

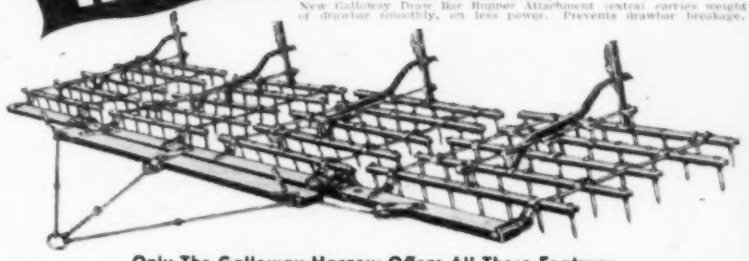
Put a few bacon rinds into the jug. Mice go in after the rinds. Once inside, they can't climb up the smooth glass again.

Galloway FLEXIBLE HARROW

NO OTHER HARROW CAN MATCH IT!

THE GALLOWAY is two harrows in one. The best flexible on the market, also converts to perfect rigid type by using 2 new Galloway patented Rigi-Flex Bars on each section.

New Galloway Draw Bar Runner Attachment (extra) carries weight of drawbar smoothly, on less power. Prevents drawbar breakage.



Only The Galloway Harrow Offers All These Features

● Positively self-cleaning. Saves Time. ● Knee Action. Follows contour of ground. ● Cross harrowing unnecessary. ● Sections fold up for easy storage. ● Hinged, folding drawbar. ● Six positions for teeth slant. ● Positive lever-set lock. ● Flexible or Rigid, as desired. ● Wider sections give 10% more coverage.

With Folding Wood Drawbar in 2, 3 and 4 sections . . . with Steel Draw Bar in 2, 3, 4, 5 and 6 sections.

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3. SPREAD ON SOFT GROUND. Rain or snow soaked soil is ideal to absorb full strength of manure. No ground too soft or sticky to bother THE GALLOWAY.

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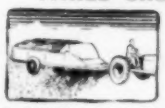

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more loads and extra years

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Start That Apple Tree Right

Pruning Pays Dividends In Sturdy Trees, More Fruit and Longer Life

ALMOST any warm afternoon now would be a good time to trim up those apple trees. Pruning helps make more fruit, better fruit, and a longer-lived tree.

Present-day system of pruning is called the modified leader system. The purpose is to develop a strong scaffold of branches to support the apples.

As you work, keep in mind that you want an open tree, with light available to all parts. This discourages disease.

Rather than permit branches to grow straight up, let only those branches grow that incline to the horizontal position.

Wide angles between branches and the trunk also develop strong crotches. Heading back branches—clipping their ends, so that the end bud on the branch is underneath—will cause them to grow lower. Weight of the extended growth tends to lower that branch the following season.

If you are working on young trees, head back the main stem at from six to eight feet above the ground. Branches will then grow outward from the trunk. Save branches that grow eight inches apart up and down the trunk.

Try to select those which spiral around the trunk, one-third or one-fourth of its circumference. The lowest branch should be 24 inches above the ground.

In Iowa, it should point southwest, for protection against sun and hot wind. This branch, plus the main stem, is enough to let grow the first year or two.

Sometimes, this lowest protective branch will persist in growing upright, thus becoming the main trunk. Strong southwest winds help cause this. For trees that grow in this manner, there is little you can do.

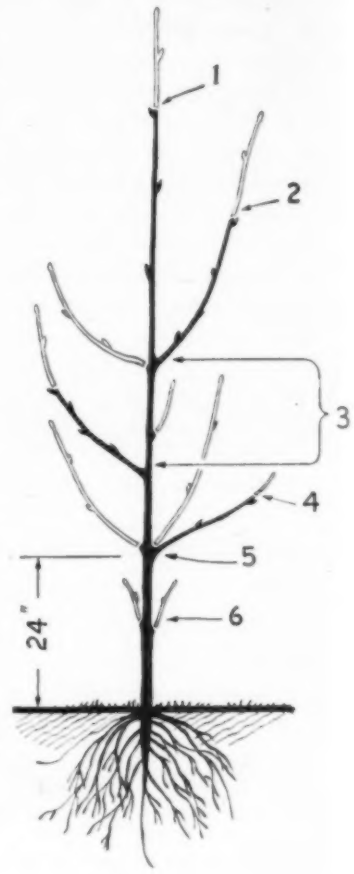
Crossed branches, water sprouts and parts damaged by winter killing will have to be pruned. The best time to do pruning work is fairly late in the dormant season, but before the tree begins to grow again.

Fall pruning is sometimes the cause of death of tissues around the wounds. Too-late pruning, done after the buds swell, rubs off many of the buds. This damages growth that year.

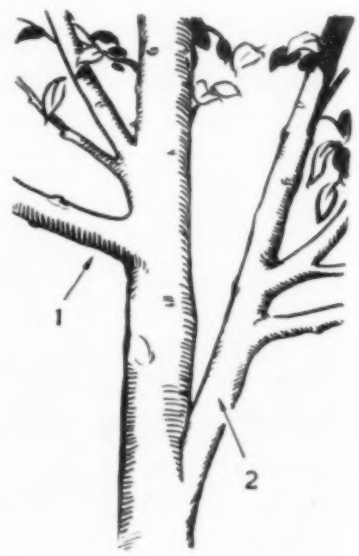
Except in the case of old apple trees, pruning should be light. Trees pruned a little at a time during the fruit-bearing period of their lives will produce the most apples.

Severe pruning is recommended for forming young trees and for rejuvenating old trees that are not producing well.

It is easier to start tending a young tree, and have it grow properly, than to try to "remodel" an older, partially grown tree. A properly pruned tree has stronger branches, lives longer.



Several pruning pointers are included in the above diagram: (1) Shorten the leader slightly. (2) Shorten the branches that threaten to outgrow the leader. (3) Leave only branches which are properly spaced. (4) Cut the branch at a point where there is a bud pointing outward: clipping so the end bud is underneath will cause the branch to grow lower. (5) Do not leave more than one branch at any one point on the tree. (6) Remove branches close to the ground.



Leave strong, wide crotches—such as No. 1—and eliminate the narrow-angled crotches—like No. 2. Such crotches are weak, and if allowed to remain are apt to shorten the life of the tree.

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Help control infection and prevent its spreading with FLEX-O Medicated Dilators. Pliable, absorbent internal dressings. Packed in new, improved Antiseptic Salve. Scientifically medicated to aid in healing damaged tissues. Carry medication to infected area. Widely used by veterinarians.

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FLEX-O Dilators tend to partially relax the sphincter muscles at the end of teat canals. Make milking easier—especially where teats are sore or infected.

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SAVE YOUR LIFE!

Are you as independent as a hog on ice? Then you'd better read this story by N. J. Wardle, farm safety specialist at Iowa State College.

"THE road is plenty slick this morning, Joe. Just like glass. Better take it easy."

"Sure, but I have good brakes. Besides, I'll drive carefully."

"Just how valuable do you think good brakes are on icy roads?"

"Aren't they as valuable on icy roads as on any kind of roads?"

"Not according to highway tests. Of course, we should always have good brakes, but they don't help much on ice. In fact, trying to stop quickly on icy roads increases the chance of an accident."

"Say, maybe we had better not go on this trip this morning. I always thought you could depend on the brakes if you have good tires."

"That's what Tom Norman thought, too. You know what happened to him last week."

"I thought he was going too fast."

"Only 20 miles an hour. But when he stepped on the brakes at that bridge, his car turned sideways and smashed into the railing. He was only shaken up, but he told me it will cost $300 to fix his car."

"Don't you think we should put this trip off until the roads are clear?" Joe had slowed the car down to a snail's pace as he looked at his companion.

"No, Joe. We have good visibility. We can see a good half mile where the road is level. The road is icy, but there are bare spots. If it does become completely iced, we have chains to put on the car."

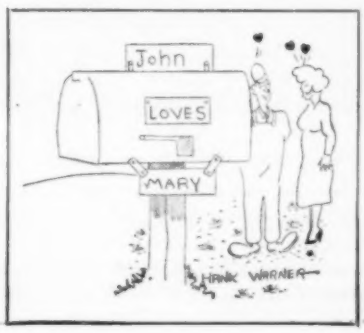
"Yes, but you've made me think this trip is too dangerous. This road is a real hazard."

"Sure it is, Joe—and we can't remove all the hazards. But we can learn to live safely with the hazards around us. If we drive carefully, we will be all right."

"What speed is being careful? I thought I was driving carefully when we started, and I was driving twice this fast then."

"Just drive at a speed at which the car can always be stopped without brakes in the distance you can see. That means 15 to 20 miles an hour on hills and corners."

Joe and Ted got to their destination without mishap. So can you if you follow Ted's rule: Learn to live safely with the hazards you can't eliminate.



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Keep your tractor moving no matter how tough, wet or slippery the ground! Get the job done quicker and easier with PEERLESS KRISS-KROSS Tractor Chains! Case-hardened for rough going, KRISS-KROSS self-cleaning links cover maximum tire area, provide slip-proof, steady traction. PEERLESS KRISS-KROSS are good to your tractor, can't cut or damage the tires . . . and they're good for many years of trouble-free service!

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ROAD GEAR
FOR OLD MODEL JOHN DEERE A OR B
FOR FARMALL F-20, F-30 & REGULAR MODEL

NEW Behlen GEAR BOX

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Behlen Gear Box really cuts tractor time. No more tiresome inching along when you can use speed. Helps do many more jobs in a day. Ideal for bucking hay, rotary hoes, long hauls, etc. Does not interfere with present gears. Bring your old tractor up-to-date with a New Behlen Gear Box.

Close-up of Behlen Gear Box on John Deere.

For Farmall H or M—Useful Middle Gear

Equip your H or M for all 'round work. New Behlen Gear Box adds handy in-between speed of 10 m.p.h. Not too fast, not too slow for many field jobs. If you prefer, you can have 7 m.p.h. gear box.

Write today for literature, where to buy. In writing, please indicate tractor you are interested in.

Behlen Manufacturing Co., Dept. 702, Columbus, Nebr.

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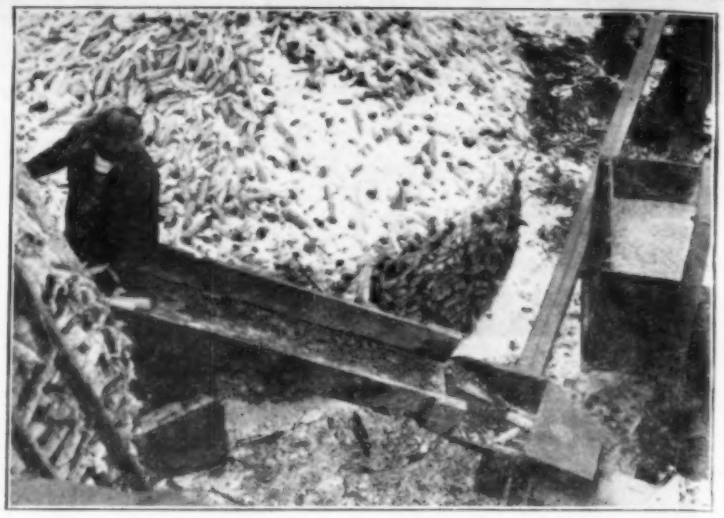

Winter Job on many Iowa farms is grinding corn from snow-covered temporary cribs. Pat Adamson, Greene county, raised 9,000 bushels on 100 acres, had space in which to seal about half.

Tips For February

This is the month to figure ahead, thus save time on your spring work. Here are some suggestions from the farm management section of Iowa State College.

▲ ▲ ▲

COMPLETE YOUR crop and livestock plans for the new year. Do you have the highest profit combination? Test each of your decisions against other livestock and crop possibilities. Be sure you are using your feed, labor, machinery, land, buildings and all other resources to their fullest capacity.

▲ ▲ ▲

GET SET for the rush of the new season. Test seed. Order needs for spring. Finish repairing and overhauling machinery. Disinfect pig and chicken brooders. Clean and disinfect brooder houses. Build any needed brooder or hog houses.

▲ ▲ ▲

WATCH THE HOG market. Lots of members of the Iowa Farm Business Association are looking for hog prices to hit their spring high sometime during the next six weeks. They are pushing their fall pigs for this market.

▲ ▲ ▲

FINISH PRUNING. Victor Felter, Warren county, Iowa, apple orchardist, says pruning should be done while the weather is cool. Grapes should be pruned before it warms up, too—otherwise they will bleed.

▲ ▲ ▲

CHECK STORED CORN. Lots of corn has been stored under unfavorable conditions. Watch for excess moisture.

▲ ▲ ▲

DO YOU HAVE A WILL? Studies show most farmers do not. Or maybe yours needs revising. February is a good time to talk over plans for passing your property on to your family.

▲ ▲ ▲

ARE YOU PLANNING to build a new barn? Just because you have $5,000 is no sign you should spend it all on a new barn. J. J. Wallace, manager of Iowa State College Foundation farms, built a 40x50-foot new pole barn on one of the foundation farms for less than $2,500.

CHECK OVER the latest bulletins at your county extension office. Cold winter days are a good time to read up on the latest know-how in farming.

▲ ▲ ▲

UNUSED HORSE STALLS make a good place to farrow pigs—if you are short of space in the hog house. Elmer Paul, Story county, Iowa, made his horse barn into farrowing pens.

▲ ▲ ▲

TREAT AND CLEAN all seed oats before planting. Tests at Iowa State College show that this boosts yields three to five bushels per acre. That's true even with our new varieties. Edmund Seiser, Hamilton county, Iowa, likes to set aside a day in February for this job.

▲ ▲ ▲

SAVE EARLY PIGS. Dwight Moser, Dallas county, Iowa, believes electric pig brooders are a big help in cold weather. One Story county, Iowa, farmer says his electric brooders paid for themselves the first year in little pigs saved.

▲ ▲ ▲

START CLEANING house. One Cerro Gordo county, Iowa, farm wife likes to do all the house-cleaning she can in February. Cuts down work in the spring, she says. She cleans dresser drawers, sorts contents of trunks and boxes, cleans closets and adds poles and shelves, waxes floors and furniture.

▲ ▲ ▲

MOVING THIS SPRING? Then start getting ready now. Collect boxes. Pack unused articles, labeling the boxes so you know what's in each one. Pack like articles together. Put books in small boxes. Use plenty of paper, excelsior, etc.

▲ ▲ ▲

FEBRUARY IS LAST CALL for doing winter sewing. Spring work will soon be taking more time. Organize housework for sewing days. Get necessary work done ahead. Plan simple meals.

▲ ▲ ▲

MAKE BEST POSSIBLE use of buildings. A Madison county, Iowa, farmer made his granary into a giant self-feeder. He got rid of a lot of shoveling chores this way.

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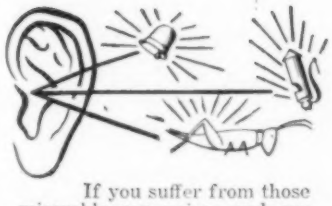

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Tractor Under Road Laws

RUBBER-TIRED tractors, with their 10-20-mile-per-hour road gears, are mighty useful vehicles.

A farmer can move machinery, haul grain or stock to elevator or buyer, and farm widely separated fields at a speed that few people thought possible 20 years ago.

Modern machinery has increased a farmer's independence, but it has also increased his responsibility. This is especially true when he takes his tractor and implements onto public highways.

In 1947, Iowa's legislature enacted a Motor Vehicle Financial and Safety Responsibility Act. The "driver's liability law," as it is commonly known, gives specific requirements for all motor vehicles, including farm tractors. Other laws point out requirements for night travel on roads.

Tractor drivers and owners have to fill the same requirements as car-owners and drivers in case of an accident.

A tractor owner is not required to carry liability insurance. He is required to post proof of financial responsibility if his tractor is involved in an accident resulting in death or injury to anyone, or damage to the property of any one person in excess of $50.

Amount of security to be posted is determined by the Safety Responsibility and Accident Records division at the State House.

Penalty for failure to post the security is suspension of your driver's license and suspension of the registration plates and certificates of all your vehicles.

Your wife can't drive the car without license plates, and you can't drive a borrowed car without a driver's license.

A farmer traveling at night with a tractor or horses and a wagon or machinery has to carry lights, says the law.

He must carry a lighted lamp on the front and lamp or lantern giving a red light to the rear. Lights must be visible at 500 feet.

Lights must be displayed from a half-hour after sunset to a half-hour before sunrise, or whenever visibility on the road is less than 500 feet.

ALTHO IOWA still doesn't grow much winter wheat, farmers of the state last fall boosted seedings by a bigger percentage than any other state. There are 125,000 Iowa acres in wheat now, compared with 322,000 acres a year ago.

"Oh, no, you don't! You're not going to use this in the barn again!"

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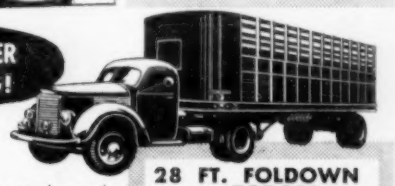

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GOOD TIME TO BUY DRAIN TILE

Brick and tile manufacturers are advising farmers who plan to install drain tile this spring to order now from their lumber dealer. Brick and tile plants are running full production through the winter to assure you reasonably prompt delivery in January and February. Huge demands for Structural Clay products in the spring will again cause delays in delivery. Many farmers already are taking delivery of their drain tile (and building tile for farm buildings, too) now for use in the spring. Don't wait, however. Order immediately so you will be able to enjoy the bigger crops, the soil protection, the longer growing season, and the increased profits that come with proper tile drainage on the farm. Write for free booklets: ☐ Tile Drainage For The Farm ☐ Plans For Modern Clay Tile Farm Buildings. Dept. W205, Structural Clay Products Institute, Ames, Iowa.

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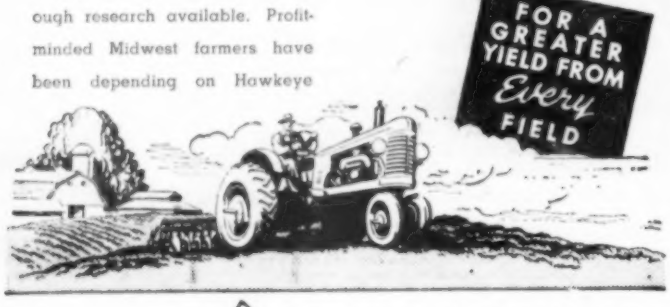

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"It Just looked good in passing," said a Wallaces' Farmer and Iowa Homestead photographer. So he stopped to take a "shot" of this winter-time cattle-and-buildings scene in Hardin county, Iowa.

What Kind Of Deal For Your Son?

There Are Problems in Turning Your Farm Over to One of Children When You Retire

MOST farm parents have at one time or another thought of some day turning their farm over to one of their children. Often, this runs into problems.

A case history from a neighboring state illustrates some of the difficulties. In this instance, one son had stayed at home and helped with the farm. Other children had grown up, married and settled elsewhere.

Ten years ago, the father had a $20,000 mortgage on the farm, with only about $2,000 actually invested. He then made his son this proposition:

If the son would stay on and work, they would operate the farm together. Each year, the son would get 5 per cent of the livestock, machinery and feeds. He would also receive 5 per cent of the father's equity in the farm yearly.

At the end of 10 years, the son would own half the livestock and machinery, also half their equity in the farm after the father's original $2,000 had been taken out. At the end of 10 years, the father would retire and the son would take over the farm.

Now the 10 years are up. The problem is to transfer ownership to the son. Parents and son must settle three things:

1. Appraisal of the farm and real estate.
2. Decide on interest rate.
3. Decide arrangements in case the parents die.

Appraisal of the farm and property should be made on a conservative basis, with an eye toward long-time rather than the present values. The appraisal figured the farm at $30,000 and personal property at $20,0000. It would break down as follows:

Investment in real estate $30,000, minus the $12,000 mortgage, leaves an equity of $18,000. The father's original $2,000 investment leaves $16,000 to be divided between father and son.

If this arrangement is agreeable, the son would take over the $12,000 mortgage. His father would hold a second mortgage of $10,000.

The personal property—including livestock, machinery, etc.—is divided in equal shares of $10,000. When the son takes over, he will assume the burden of a $12,000 first mortgage, a $10,000 second mortgage, and will owe his father $10,000 for his share of the personal property.

The son will have to consider whether the farm will pay out before he assumes a debt of $32,000. The long-time, not the present, earning power should guide the son in his decision.

The parents will have to consider carefully whether they can live off the payments their son makes to them on the $20,000 they have invested in the farm. If their son were to pay off over a 20-year period, payments on the interest at 4 per cent and principal would come to $731.20 twice a year.

If they can't live on that amount, the appraisal may have to be higher, the payments made over a shorter period, or they may have to continue to operate together for a longer period.

If they operated for a few more years together, the son and the parents could pay off more of the mortgage before the parents retired and settlement was made.

Some parents provide that at their death, if payments have not been completed, they should cease. Others feel payments should continue and go to the remaining children. In doing this, they feel the son got his equity when he took over the farm.

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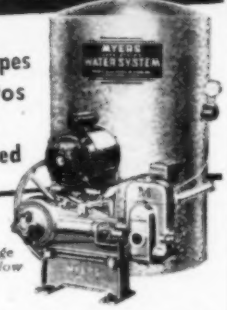

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MAKE THIS TEST: Buy INSTANT POSTUM today—then drink POSTUM exclusively for 30 days—*and judge by results!* . . . INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

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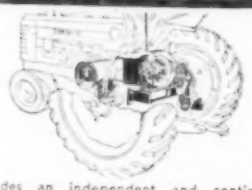

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First Aid for Stock

Injuries May Cause Jowl Swellings

To the Editor: I have some hogs that swell up under the neck, just like a cow with lump-jaw. Some also seem to be lame in one foot. Could this be the lack of something in their feed?—W. O., Franklin County, Iowa.

It is possible that the swellings under the jowl are caused by skin injuries from splinters, awns or thorns, that scratch the skin and allow common pus germs to enter.

The germs cause mild abscesses which usually can not break because the skin is too tough. They should be opened with a sharp blade, then drained and washed out with a mild antiseptic.

Keep the affected animals away from the rest of the herd, because discharging pus on trough edges may spread to other animals.

Feeding iodized salt is never a bad practice in your part of the state. But it will neither prevent nor cure this trouble.

Soil Germs Cause Erysipelas

To the Editor: Can you give me some information on erysipelas in pigs and brood sows? When is the best time to vaccinate?—L. B., Clayton County, Iowa.

Erysipelas is caused by a germ that lives in the soil. When the germ enters the body of a pig or sow, it may do one of two things:

It may produce a very acute disease having some of the symptoms of cholera, killing many of the animals in short order.

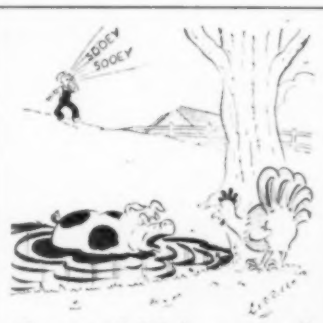
Or it may run a chronic course, causing sloughing of the skin or swelling of joints, but not killing any animals.

There is a serum that gives good results in treating the acute form of the disease, and protection from infection for a month or so.

But if you are sure you have the germs in your soil, you are justified in using the serum and a germ culture which gives longer protection—for about six months.

But it is never advisable to use the germ culture unless you are sure erysipelas already is on your premises.

You can get further information by asking Iowa State College, at Ames, for its bulletin on the disease.



"It never fails! As soon as I get in the bath-tub, somebody calls me."

SEEDS UP TO 25 ACRES PER HOUR *with the New* Turley SEEDER

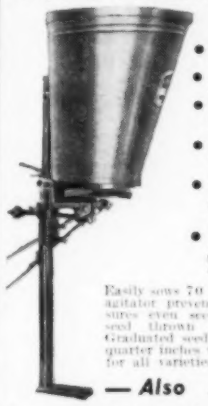
MODEL T-19

FITS ALL TRACTORS
- Twin Fans and Twin Agitators
- 15 Bu. Hopper Capacity
- Heavy-duty Power Take-off Drive
- Each Fan Individually Controlled
- On and Off in a Jiffy

HOPPER SIZE INCREASED TO 22 BU.

7 bu. extension hopper available for use on two or three plow tractors. Built-in grass seeder . . . standard equipment . . . but easily removed for increased hopper capacity if not needed. Fast flow hopper bottom—no clogging—no bridging

Herd Seeder
38 QUART CAPACITY



Model R-38
- All seed spread away from tractor
- Fits all tractors and Jeeps
- Seeds 10 to 22 acres per hour according to seed
- Smooth feeding . . . even seeding . . . will not clog
- Sturdily built with heavy castings . . . bronze and Oilite Bearings
- Driven from power take-off—V Belt drive from 2-speed pulley on drive shaft

Easily sows 70 acres per day. Hopper agitator prevents clogging . . . assures even seeding . . . with all seed thrown away from tractor. Graduated seed opening calibrated in quarter inches with quick adjustment for all varieties of seed.

— Also Available In 5 Bushel Capacity, Model R-5

Belt HARVEST-HANDLER *Elevator*

- Weight — approx. 100 pounds with gasoline engine
- Length — 16 feet . . . meets elevator requirements for small and average farms.
- Sturdily constructed of high-strength, rust-proof aluminum alloy
- Self loads direct from bin to truck without scooping with hopper sides and cover under hopper removed

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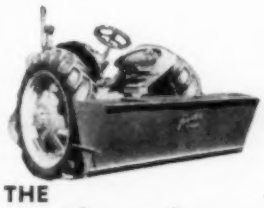
Simple, gearless construction means lasting, trouble-free operation—provides even agitation throughout the spreading operation. NO LUBRICATION NEEDED — NO GEARS TO WEAR! 1 ton capacity—weight 850 pounds—distributes 75 pounds and up per acre. 14 ft. width—covering 4 rows.



THE *Gearless* JUNIOR
- 7 foot width making it ideal for small farms
- 1,000 pounds capacity
- Distributes 75 pounds and up per acre
- Spreads 12 inches from ground decreasing wind drift

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210-212 E. FRONT ST. BLOOMINGTON, ILL.

Full Swivel 1 or 2 Man *McCulloch* CHAIN SAW

Makes an easy job out of bucking, felling and limbing. Specially designed 5-hp. McCulloch engine, with floatless carburetor, permits operation in any position. *The 20" size weighs only 45 pounds!*

PRICES include short guard for one man use and long guard with extra handle for two men:

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36" chain saw	399.00
48" chain saw	414.00
18" bow saw	429.00

Prices F.O.B. St. Paul

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BUY U. S. SAVINGS BONDS—THEY ARE PROTECTION FOR LATER YEARS—BUY SOME TODAY!

McAllister's Cow Yields "Ton of Gold!"

Wins National Award

SHELBINA, MO.—William L. McAllister, of this village, was recently presented with a Ton-of-Gold Certificate! This award, made by the American Jersey Cattle Club, is in recognition of a record yield of butterfat . . . 2011 pounds . . . produced during a 4-year period by one of McAllister's cows, **Sam's Design Peerless.**

2,000 One Pound Packages!

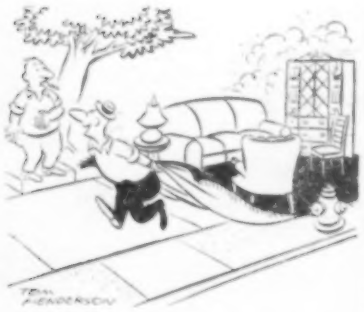
THIS OUTSTANDING NATIONAL AWARD topped many high production performances by McAllister's Jerseys. No lack of milk for his Wheaties! Has 'em often. Started by noticing those orange and blue Wheaties packages at his grocery store . . . then decided to try them. Wheaties his favorite cereal ever since.

* * *

Record butterfat production isn't champion McAllister's only interest. Spends spare time fishing, watching baseball and football games. Also likes a good breakfast. Enjoys Wheaties with bananas and milk. Says he likes Wheaties "because of their flavor and wholesomeness." Famous training dish. Three B vitamins in these 100% whole wheat flakes. Also minerals, food energy, proteins. Second helping good, too. Had **your** Wheaties today? "Breakfast of Champions"!

Extra-Big-Pak of Wheaties holds 50% more than regular size package. Popular with active, outdoor families. Ask your grocer for Wheaties—the Extra-Big-Pak!

"Wheaties" and "Breakfast of Champions" are registered trade marks of General Mills



"The Rileys promised me a bowl of Wheaties if I'd help 'em move."

Voice of the Farm

His Landlord Is No Scrooge

To the Editor: My landlord is what we call a city fellow, having lived in a large town all his life. He owns five large farms, all operated by tenants.

Four of these farms have bathrooms, and the fifth has water in the house in preparation for the bath. Our landlord believes in the farmer living as comfortably as the man in town. He has never refused any material or improvement that I have asked for.

Why is it most papers a fellow reads always paint the landlord as a Scrooge? — Dave Crawley, Guthrie County, Iowa.

Maybe it's just the dissatisfied tenants who take the time to write letters to the editor.—Editor.

Social Security For Retired Farmers?

To the Editor: I have read in your paper about the promise of President Truman and congress to bring farmers under the Social Security act.

I am more interested in a law whereby a man can pay his way in and earn his old-age security than to get an outright old-age pension.

I and many other retired farmers would gladly pay the full six years' dues of 6 per cent of our incomes, and the interest, to get, not $8,000, but about $1,000 a year.

There are many retired at the age of 65-70 who are living 'way under an American standard of living, but yet are too proud to ask for old-age pensions.

So let us demand a law by which we older farmers can earn our old-age security. We would rather do that than receive outright old-age pensions.—Peter Jessen, Rock County, Minnesota.

It's true that if farmers are brought under Social Security, those now over 65 won't be included. And letting them in with back payments could be pretty complicated.—Editor.

Asks How To Keep Hunters Away

To the Editor: What gives town people a right to go to the country and kill the game which feeds entirely on the land owned by the farmer and on which the farmer pays the taxes?

I know there is a law which says they must have permission from the farmer, but they just do not ask. If you order them off, they get out until you are out of sight.

One other thing: How many of you farmers have been able to beat the other fellow to your own hickory-nuts and walnuts?—Subscriber, Wapello County, Iowa.

Putting up "No Trespassing" signs might help. Or you can apply the law to them by registering a complaint with your county officials.—Editor.

After-School bob-sled party turned out to be just as much fun for Gaylord Ellerman (on tractor) and Orville Wagner (behind) as for their wives and the eight neighborhood youngsters who were "guests of honor." All live in Dallas county, Iowa. Hot dogs and cocoa after the ride were quickly consumed by (left to right, below): Front, Duane Anunson, Bradley Fox, Bob Wagner, Dick Ellerman; back, Gaylord Ellerman, Jr., Rolland Paul, Loyal Lay, Bill Ellerman.

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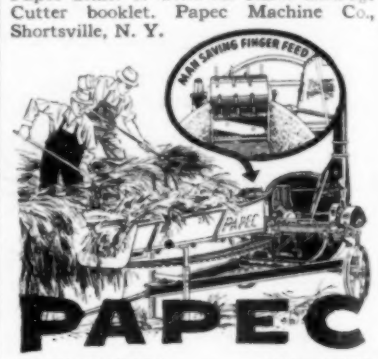
DOES MORE, LASTS LONGER, COSTS LESS!

Papec Hay Chopper-Silo Fillers handle all forage crops easier, faster and cheaper. They store straw after combining, shred fodder and elevate feed grains.

Papec cutters elevate to the highest silo without clogging. They take less power because they run easier. The Papec man-saving, finger feed-roll enables the Papec to handle all types of hay and silage crops faster. No one is needed at the feed table.

Papecs 25, 30 and 35 years old are still in active service. Resale value of a Papec is always high. Size for size Papec Hay Chopper-Silo Fillers cost less.

No wonder there are more Papecs in use than any other make of cutter. See your Papec dealer or write for NEW Ensilage Cutter booklet. Papec Machine Co., Shortsville, N. Y.



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HAY CHOPPER-SILO FILLERS
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SCAB TEATS

. . protect them at once with Dr. Naylor Sulfathiazole Medicated TEAT DILATORS

When injured teats, scab teats, cut or bruised teats, threaten loss of a profitable milk producer — use DR. NAYLOR DILATORS — medicated surgical dressings that carry antiseptics and healing agents into teat canal to combat infection.

Easy to insert
Stay in Teat

KEEPS TEAT OPEN . . .

DR. NAYLOR DILATORS furnish soft absorbent protection to delicate teat canal lining — keep teat **open** in its natural shape — encourage a normal milk flow. Smooth, rounded tips for safe, easy insertion — fit large or small teats.

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Large Pkg. $1.00 45 Dilators — **Trial Pkg. 50c** 16 Dilators

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Relieve Itch in a Jiffy

Sufferers from the torturing itch caused by eczema, pimples, scales, scabies, athlete's foot, "factory" itch, and other itch troubles, are praising cooling, liquid **D.D.D. Prescription.** This time-proved medication—developed by Dr. D.D.Dennis—positively relieves that crud, burning itch. Greaseless and stainless. Soothes and comforts even the most intense itching in a jiffy. A 35c trial bottle proves its merits or your money back. Ask your druggist today for **D. D. D. Prescription.**

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Costs Too Little To Be Without

350 Cuts Per Minute

Make money sawing wood. Use Ottawa—fastest cutting. Cuts large, small logs easiest way. Fells trees. One man operates. Thousands in use. Built to last with heavy, stiff saw blade. Positive safety clutch control; uses power take-off any tractor.

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MR. FARMER

Now is the time to convert hand mowers to power mowers, with Handy-Dandy Lawn Mower Conversion Kits. Installed on any mower in 3 hours. Fuel with any small gasoline or electric motor. Latest engines and Pennsylvania mowers in stock. Immediate delivery. Kits can be purchased with or without engines. Fits 16 to 20 inch mower. Dealers wanted.

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CHAMPION Ready-Built HOG HOUSES
CHEAPER-BETTER-EASIER THAN YOU CAN BUILD YOURSELF

Champion "ROUND" HOG HOUSES
In 2, 3, 4, 6 or 8 Pens up to 30 Pens.

Champion "SQUARE" HOG HOUSES
In 2, 3, 4, 6 or 8 Pens. Size of pens 6'x6' and larger. With or without alleys.
SAVE Time, Work and MONEY. Why bother to build your own hog house? CHAMPIONS are made of good dry lumber and quality materials throughout. No fuss, no bother, no carpenters to wait on.
COST LESS than any on-the-job type.
STRONGER, STURDIER — better built.
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SAVE YOUR BACK!
CUT COSTS and SAVE LABOR with MULKEY'S
All-Steel Portable BALANCED ELEVATOR
for
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• Ear Corn, etc.

Basic Length 24 ft. 17½ ft. Max. Lift 8' & 14' Extensions Clutch and Brake extra.
Available in Flare or Straight-sided Design
• Handles hay faster than 4 men can barn it.
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New
WESTERN SPROCKET PACKER & MULCHER
It pulverizes, mulches and firms soil deep as plowed BETTER THAN EVER BEFORE. Saves time, labor and horse-power preparing ideal seedbed. Leaves surface mulch without grooves, which greatly helps to prevent washing. This seedbed conserves moisture, saves seed because more of the seeds grow; and helps to increase yields of all crops. Great also for rolling in clover and grass seed and breaking crust on winter wheat in spring. Find out why it does the work so much better, easier and faster. Be sure you get the genuine WESTERN. Write for Catalog and freight-paid prices direct to you.
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"It's nice of you to play your harmonica for Joe while he's sick, but can't you make it something besides 'The Last Round-Up'?"

Says Bathless Tenant Should Keep Still

To the Editor: Who should pay for a bathroom?

I am not a landlord. But I ask: When the renter rented the farm, did the landlord have to coax him to rent it? I will bet the renter was on his hands and knees.

If he agreed to farm it as it was, I say he should keep still.—Reader, Marshall County, Iowa.

Is there any law against wanting a bathroom?—Editor.

Dairymen Indifferent In Oleo Fight?

To the Editor: If the oleo bloc, which makes this stuff principally out of foreign imported oils, was not intent on adulterating and imitating butter, they would be satisfied to sail under their own colors. Uncolored oleo doesn't need to pay a tax.

If farmers and their papers, associations, etc., don't take more action right now, they must prefer to learn the hard and expensive way. We, the consumers, will be caught between the millstones of an indifferent dairy industry and a crafty oleo bloc.—Laboring Man, Chickasaw County, Iowa.

You're wrong on two points: Uncolored oleo now pays a small tax, and most oleo right now is made from home-grown oils. But dairymen have said they are willing to remove the tax on white oleo, will fight imitation of butter's color to the last ditch.—Editor.

They've Read Paper A Long Time

To the Editor: I received one of the first issues of your paper when it was published at Ames, and was called Wallaces' Farmer and Dairyman. I have been a subscriber ever since.—H. F. Hemesath, Winneshiek County, Iowa.

To the Editor: I have been a subscriber since 1892—56 years—and still am going to be in the future.—W. C. Shook, Butler County, Iowa.

To the Editor: I see where one of your readers subscribed back in 1903. I came in earlier, in 1893, when the paper went by the name of the Live Stock Indicator.—J. E. Hart, Nodaway County, Missouri.

The publishers of the Iowa Homestead took over the Live Stock Indicator in 1893, shortly after Mr. Hart subscribed for the first time.—Editor.

WHERE'S THE BEST PLACE FOR PLANT FOOD?

Modern experiments have proved that proper placement greatly increases the return from your plant food investment. It will pay you to find the methods best suited to your soils and crops. Your County Agricultural Agent or Experiment Station will gladly help.

No need to experiment, however, when you *buy* fertilizer. Just say "Armour's Big Crop"—and you will get top quality goods, backed by over half-a-century of Armour know-how. Let Armour's help you to produce the bigger yields of higher quality that mean more profit for you at the harvest. Place your order for Big Crop now.

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Get More Pork FROM LESS FEED with Pride of the Farm

ROTARY HOG FEEDER
NEW IN DESIGN AND CONSTRUCTION

Every ounce of grain put into a *Pride of the Farm Rotary Feeder* is consumed by the pigs. The pigs are forced to use their tongues to lick up the feed. This forces them to use all of the saliva their systems produce, thus assuring maximum digestibility. There is no crowding as on the box-type feeders. Pigs are not forced to stand in a row. *Big* pigs do not choke off *little* pigs. Thus maximum contentment is established in the hog lot.

Come in and see this new *Pride of the Farm Rotary Feeder.* It is always on display. Write for name of nearest dealer.

HAWKEYE STEEL PRODUCTS, INC.
WATERLOO, IOWA

—PUT SOME OF THAT EXTRA CASH INTO SAVINGS BONDS—

Homemaking Department

Edited by **ZOE MURPHY**

Mrs. John P. Valerius has a very attractive collection of house plants in her farm home in Polk county, Iowa.

The Winter Garden

HOUSE plants give us the green bridge which spans the months of snow. The care we give them helps to satisfy our hunger for summer-time gardens. There is scarcely a farm home that doesn't carry some favorite over from year to year. It may be the old plant or cuttings from it.

The kitchen window in the average country home always seems to be the logical place for geraniums. They're easily grown for cuttings or seed. They require plenty of sun and fresh air. But they dislike drafts.

A tin container seems to suit a geranium best. It should have drainage holes in the bottom. Garden soil makes a firm potting soil, but allow plenty of room at the top for watering.

Geraniums can get quite dry without serious damage. So water very thoroly and then let the soil dry out before watering again. There is an infinite number of varieties. If you haven't tried the dwarf ones, you'll find Little Darling is a favorite.

Succulents are fleshy plants of the desert and semi-arid regions. Their need to store up water has changed them into queer shapes. They are really a cactus minus thorns.

In nature, where time is no object, cacti, tho slow-growing, become huge plants. But when they are confined to a fancy small container, they grow very, very slowly, keeping their diminutive size.

Cacti can be potted in firm soil with no drainage at the bottom of the container. However, a layer of pebbles in the bottom is needed to catch surplus water. Cacti need fresh air, not too dry an atmosphere, and should be watered lightly.

All cacti, from the Bunny Ears to the old-fashioned Christmas cactus, have a special fascination for plant lovers. The Kalanchoes have leaves that often form roots when detached, without soil. I have a Pereskia that is now sending out a very long vine, and I hope it blossoms. I've had it seven years.

The Orchid cactus is a product of the jungles of Central and South America. It's a delicate plant that requires special care, but the blossoms are big and very colorful.

Few flower lovers are without foliage plants. The coleus, beloved by our grandmothers, is still popular. Episcia, the Brazilian coleus, is rare and very beautiful. Its coppery, roughened leaves and abundant scarlet flowers make it an outstanding plant in any window. This plant likes loose, rich soil and filtered sunlight.

Grape ivy, Wandering Jew, oxalis, vinca and St. Bernard's lily may be used nicely for hanging baskets. Give them plenty of sunshine, and don't forget to water them because they are a little out of sight.

Everyone should have a few gloxinias, to have all-season blooms. I find they like a sunny, warm window in a humid room. The kitchen makes a fine place for them. They need lots of water during the growing period.

When the blooms of gloxinias are at their peak, they should have a little less sun. You are amply repaid for your patience and care when these beautiful plants are in bloom.

If your rooms are not too hot, if the air is fresh and humid, you can raise begonias successfully. There are many kinds of begonias, offering a variety of color in the blossoms and leaves. There is the Calla begonia, with some pure white leaves in the shape of a Calla lily. The Lucerne types have angel wings and immense pendulant blooms in both red and pink. Decorus has clean, pointed leaves and fragrant flowers.

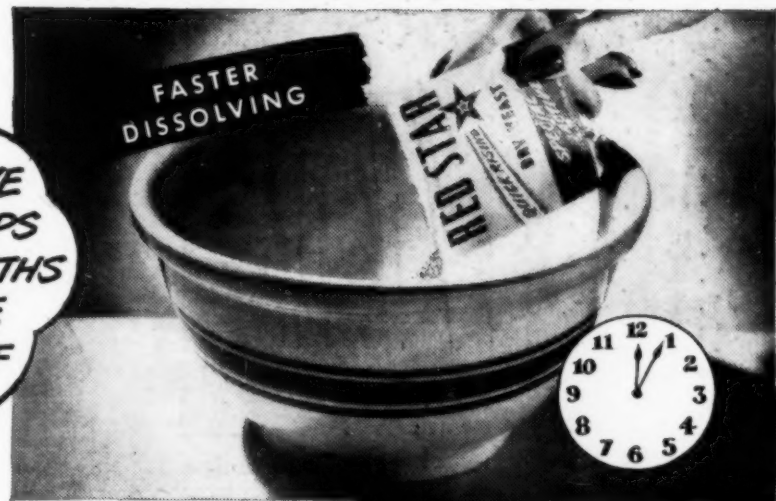
African violets can be grown successfully in many ways. I've found they can stand water on their leaves if applied as a gentle, warm spray in early morning. Then the plant must be thoroly dry before it is placed in the sun again.

Ornamental peppers are a colorful winter plant, and will do well in a north window. The primrose and the cyclamen like a cool east window and must have plenty of water. The Chinese evergreen will grow any place.

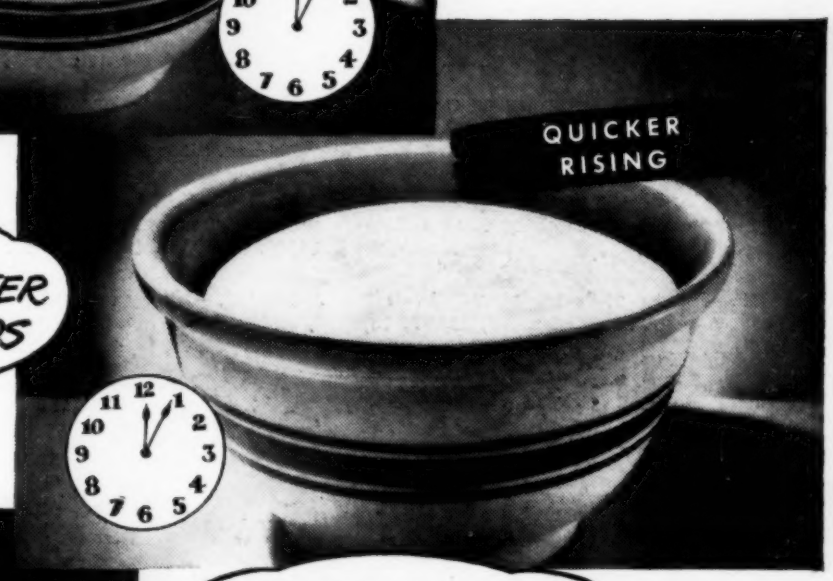
Be kind to your plants. If they droop, it may be because you are overwatering them or giving them too much heat. Keep the plant leaves clean from the start. If something seems to be wrong, change the location of the plant to a different room or window.

The so-called "green thumb" gardener is the one who uses imagination and a lot of patience when caring for plants. It isn't just a "gift."—Mary Duncomb, Rock County, Minnesota.

Why Red Star SPECIAL-ACTIVE Dry Yeast



gives you best results



If you haven't tried Red Star *special active* Dry Yeast, get a supply today. You'll find that Red Star will save time in *all your recipes.*

And, as for flavor and texture of baked goods made with Red Star, just let your family be the judge.

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No. 1819—Youthful and pretty as can be is this yoked frock for the junior miss. Sizes 11, 12, 13, 14, 16 and 18.

No. 8314—Side-lines for charm—a flattering afternoon style with eye-catching details. Sizes 12, 14, 16, 18 and 20.

No. 8413—Plenty of back interest in this 'teen-age two-piece frock. Sizes 9, 11, 12, 13, 14, 15, 16 and 18.

No. 1869—Lovely enough for a trousseau—a round-necked nightgown with draw-string waist-line. Sizes 12, 14, 16, 18, 20, 40 and 42.

No. 1860—Soft gathers make a nice finish at neckline of this graceful afternoon dress. Sizes 34, 36, 38, 40, 42, 44, 46 and 48.

No. 1854—Neatly tailored and simple to sew. Well-fitting slip and panties set for the matron. Sizes 36, 38, 40, 42, 44, 46, 48, 50 and 52.

No. 8313—Perennial favorite in every well-dressed wardrobe, the comfortable shirt-waister. Sizes 14, 16, 18, 20, 40, 42, 44 and 46.

No. 8414—Here's a complete outfit for the miss of 4 to 12, with dress, panties and slip. Sizes 4, 5, 6, 8, 10 and 12 years.

No. 1845—This easy-to-make princess dress buttons down the front and has a gay fruit applique. Sizes 2, 3, 4, 5 and 6 years.

Patterns are 25c each, in coin or stamps—coin preferred. The New Spring and Summer FASHION Book is also 25c. It contains much useful information, as well as a pattern, free. You will be delighted with this book. Send orders to the Pattern Department of Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa, including payment. CAUTION: Be sure to give your name and address when you write.

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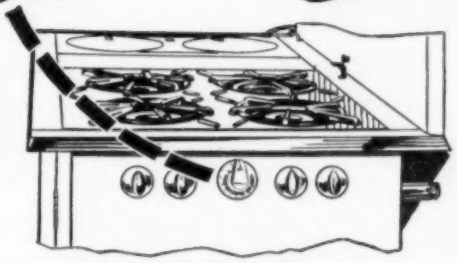

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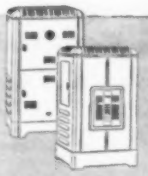

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FISH

Erie Perch	25c lb.
Headless and dressed Baby Halibut	30c lb.
Halibut Trimmings	15c lb.
Headless and dressed Salmon	40c lb.
Dressed Yellow Pike	35c lb.
Dressed White Fish, Superior	35c lb.
Rock Bass	30c lb.
Headless and gutted Whiting	16c lb.
Dressed Lake Trout	45c lb.
Skinned Jumbo Bullheads	35c lb.
Mackerel	25c lb.
Baby Pike	25c lb.
SPECIAL	
Jumbo Smelt—Packed 10 lb. Ctns.	26c lb.
Shrimp—Packed 2½ lb. tins	65c lb.
Shrimp—Packed 1 lb. packages	60c pkg.
Shrimp—Packed 12 oz. packages	55c pkg.
Scallops—Packed 1 lb. packages	70c pkg.
Standard Oysters—Packed in pints	65c pt.
Select Oysters—Packed in pints	75c pt.
Gorton's Cod Fish, Salted—Packed 12 lb. cartons	45c lb.

FILLETS
Packed 10 lb. Cartons

Perch Fillets	28c lb.
Haddock Fillets	33c lb.
Cod Fillets	28c lb.
Pollock Fillets	24c lb.
Flounder Fillets	40c lb.
Yellow Pike Fillets	60c lb.
Blue Pike Fillets	55c lb.
Bayfish Fillets	25c lb.

SMOKED FISH
Packed 5 lb. Cartons

Chubs	55c lb.
Blue Fins	35c lb.
Sablefish	60c lb.
Boneless Herring (10 lb. cartons)	34c lb.

FROZEN FRUITS
Sweetened

Apricots—Packed 10 lb. cartons	18c lb.
Pineapple—Packed 4 lb. cartons	20c lb.
Peaches—Packed 10 lb. cartons	18c lb.
Grapefruit Juice (Unsweetened)—Packed 2 lb. cartons	12c lb.
Strawberries—Packed 6½ lb. tins	38c lb.
Black Cherries—Packed 1 lb. cartons	22c pkg.
Prune Plums (Unsweetened)—Packed 12 oz. cartons	14c pkg.
Pineapple, Crushed—Packed 1 lb. cartons	23c pkg.
Peaches—Packed 1 lb. cartons	25c pkg.
Cantaloupe or Honey Dew Balls (Unsweetened)—Packed 10 oz. cartons	25c pkg.
Sliced Apples—Packed 30 lb. tins	12c lb.
Cherries, Red Sour, Pitted—Packed 30 lb. tins	22c lb.
Mincemeat—Packed 10 lbs. pails	28c lb.
Mincemeat—Packed 10 lb. pails	28c lb.

FROZEN VEGETABLES

Asparagus Cuts and Tips—Packed 2½ lb. cartons	39c lb.
Broccoli Cuts—Packed 5 lb. cartons	24c lb.
Brussels Sprouts—Packed 2 lb. ctns.	38c lb.
Lima Beans, Green, Ford Hook—Packed 2½ lb. cartons	35c lb.
Peas—Packed 5 lb. cartons	23c lb.
Spinach—Packed 2½ lb. cartons	23c lb.
Asparagus Spears—Packed 12 oz. packages	45c pkg.
Brussels Sprouts—Packed 10 oz. packages	33c pkg.
Mixed Vegetables—Packed 12 oz. packages	20c pkg.
Broccoli Spears—Packed 10 oz. packages	26c pkg.
Peas—Packed 12 oz. packages	20c pkg.

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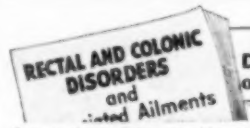

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Children Ask About Farms

WHEN farm people from all over the nation gather for a convention, it's bound to have some good results. And not all are measured in terms of the convention sessions.

That's what one of our Iowa farm women discovered at the American Farm Bureau Federation convention in Atlantic City last December. "We had a lesson in creating better understanding between country and city," she said.

This woman was Mrs. Harley McLain, from Pocahontas county. She happened to be lunching in an Atlantic City restaurant when two local school teachers came in.

A 10,000-person convention during the dull season at Atlantic City doesn't go by unnoticed. These teachers asked Mrs. McLain about it.

She proceeded to explain that it was a convention of farmers, and that she herself was from Iowa.

During an interesting conversation, one teacher invited Mrs. McLain to come and talk before her pupils. "Wouldn't you tell our pupils," she asked, "about the food you raise in Iowa?"

The group greeting Mrs. McLain at the school apparently comprised pupils from several rooms—up to about the fifth grade. "All of them were so very interested," she commented afterward. "So many hands went up to ask questions. And they were so polite!

"They weren't so dumb on many farm things, either. They knew of the different breeds of cattle, and about milking machines."

One child got down to details. "Do you have names for your cows?" he inquired.

"Do the hogs eat garbage?" inquired another. It was hard for them to realize the magnitude of operations on some Iowa farms. The children were amazed when told it was not uncommon to raise 300 hogs on one farm.

Concerning the farmer's way of life in Iowa, the children's ideas were definitely hazy.

"Are there any Indians there?" one asked.

"Can you even buy ice cream in Iowa?" naively asked another little fellow.

Complying with the teacher's request, Mrs. McLain told the children in detail about the raising of corn and oats and soybeans and livestock.

But the questions that kept coming back were more about practices in the farm home.

"Do you churn your own butter, and bake bread?" one asked.

One teacher asked Mrs. McLain: "Can you buy such a suit as you are wearing in Iowa?"

Everyone found it hard to understand how so many Iowa farm homes could do without bath-tubs and running water. (Many of us in Iowa feel the same way!)

"Aren't you lonesome out there on the farm?" asked another of the teachers.

For answer, Mrs. McLain described the various social activities in a rural Iowa community. When she had finished, the teacher's comment was: "You do have more community life than we have here."

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OCEAN PIKE scaled, dressed, head-less, 30 lb. box $5.40
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	PER LB.
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OCEAN PIKE, Dressed, Hdls. & Scaled	19c
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SABLEFISH, Dressed and Headless	25c
HALIBUT, Dressed and Headless	35c
HERRING, Dressed	14c

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A highly effective way to deal with this ugly infection has now been made possible. It is based on a new, officially approved drug principle. This drug element is the vital ingredient in P-W, the medically sound Pin-Worm treatment developed in the laboratories of Dr. D. Jayne & Son.

The small, easy-to-take P-W tablets act in a special way to remove Pin-Worms. So if you suspect Pin-Worms, ask your druggist for a package of JAYNE'S P-W right away, and follow the directions.

Mrs. Harley McLain was asked to talk to the children in an eastern school about Iowa farm life. Here is Mrs. McLain with her husband and children in their comfortable farm home in Pocahontas county, Iowa.

COUNTRY AIR

By ELIZABETH C. WHERRY

WITH another birthday coming up this very month, I should certainly know better than to spend an afternoon pushing a jaloppy out of the snow.

* * *

There's a streak of gamin in us all, and many a country boy takes it out in building over an old car. Son Richard's happiest periods of relief from farm chores were the hours spent with his head under the hood of the current jaloppy.

* * *

Now, home from the wars and deep in college life, he still is happiest when his car of more or less uncertain vintage requires special attention. And I confess I feel a return of girlish excitement when I'm asked to lend my bumper to the occasion.

* * *

Today, he diagnosed the car trouble as half fuel pump and half snow-drift. My own diagnosis was half snow-drift and half ice under the drift. Anyway, I indulged in maneuvers I should have abandoned long ago, before I got an arthritic knee.

* * *

It's more companionable to get stuck in a town alley than to slide to ignominy in a country ditch. Everybody along two streets was watching us bumping and backing, spinning and sliding.

* * *

Next to watching a steam shovel dig dirt, there's nothing so fascinating as watching a stalled car get going. A car in a snow-drift can be more stubborn than a pig not wanting to see an open gate into a hog lot.

* * *

I have tremendous respect for the highway patrol. We need them. Their work is merciful and important.

* * *

What would happen to the highway patrol and its authority if it were trained in the gracious manner?

* * *

Patrol men probably should act tough to us when we are traffic violators on the highway. But the other morning I went to renew my driver's license. I went in, fairly cocky, for my oculist had said I didn't need new glasses.

* * *

By the time the polished demigod behind the desk condescended to lay down his magazine and look at me, I was reduced to a trembling old woman fumbling in my purse for last year's license.

* * *

By the time I'd answered to the sharply-put routine questions and read the letters (presumably correctly, for I was given a license), I was lower than the Beloved Niece's dachshund puppy.

* * *

I felt as I do when a train conductor asks for my ticket: "Please excuse me for bothering you, but this was the only train I could take to get me where I had to go."

* * *

I clutched my coin in my hot little hand and crept toward the stenographer, who told me to "sign here" — and "here" — and "here." I was so flustered that I couldn't find the right lines without help.

* * *

Then I slunk out, went upstairs and paid my money for a license. I could lift my head over that. Maybe we need to pay more money for a driver's permit, to keep up our spirits.

* * *

The B. N.'s new dachshund puppy is about the funniest little trick you ever saw. He practically hasn't any clearance at all.

* * *

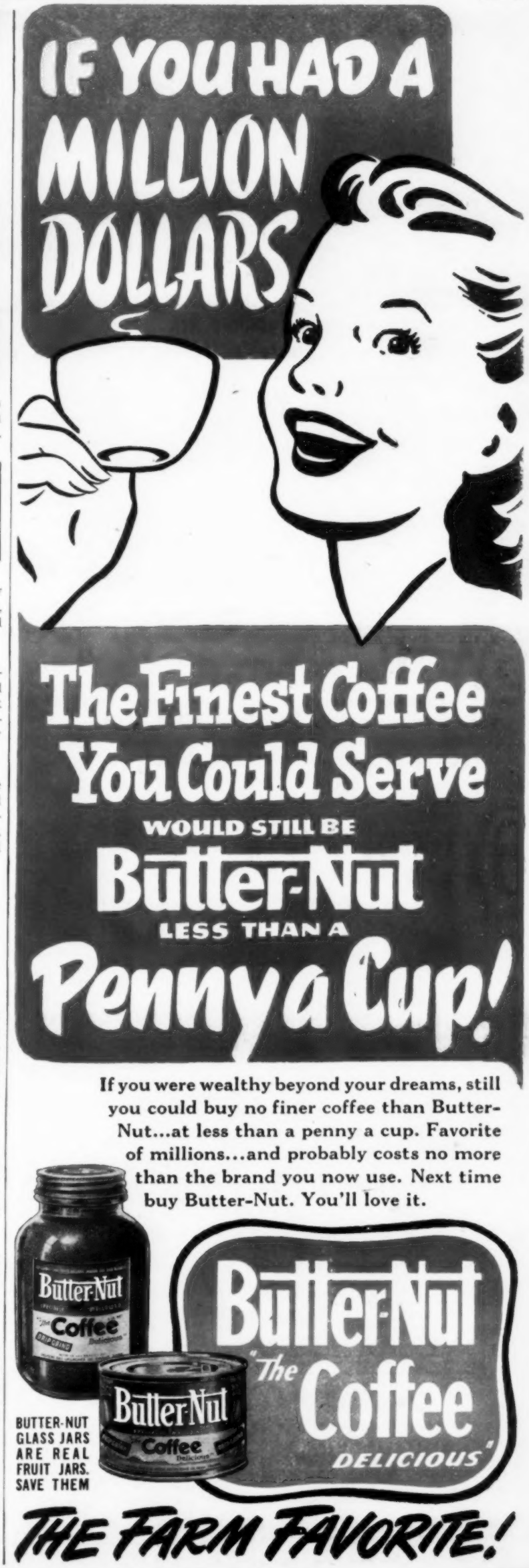
Out strolling with the two-year-old baby, can he help it if he drags bottom at every puddle across the sidewalk? Or if he tracks in almost as much mud on his four-month-old feet as the baby does on his two-year-old ones?

* * *

It's all in the way your chassis is designed, says the pup, flailing the air with his long, straight tail.

* * *

And now come seed catalogs to bolster up our faith!



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The New Daylilies Make an Ideal Flower Border, Varying Widely in Size and Color

DAYLILIES (Hemerocallis) possess many virtues that make them ideal for our flower borders. True, the old red corn lily of our grandmother's day was invasive, but the newer ones are well behaved and stay in place nicely.

They do not multiply so fast that constant dividing is necessary, as with some garden plants. So far, they are comparatively free from insect pests and diseases. They're not fussy about soil or particular as to location.

Plants vary in size from dwarfs to four and five feet tall. Blossoms are from tiny ones to seven-inch "saucers." Yellow predominates in color, from creamy to deep orange.

Some of us learn to like the red ones after seeing blossoms that appear to have been cut from the richest of red velvet.

Some daylilies have a purplish cast. Newer and better rose and pink tones are being developed. There are some with three petals of one color and three of another.

By choosing a number of varieties, one can have daylilies in blossom for many months. Among the earliest to bloom are Hemerocallis and Queen of May.

These are followed by varieties like Apricot and H. Flava. The full glory comes in summer, and it is hard to choose—Hyperion, Ophir, Theron, Mikado and many others.

One can buy seeds as well as plants. Seeds grow easily and well if planted in a frame in late fall or early spring. Seedlings may be set out in a row in the garden.

It is not safe to set the young seedlings out too late, or they may not survive the winter. Mulch to prevent frost damage.

Aggressive plants will bloom the second year. Seedling flowers may be as fine as any of the named varieties.

Plants producing inferior blossoms may be discarded, but it is well to let them bloom for several years before passing judgment.

Almost any blue-flowering plant that blooms at the same time as the yellow-flowered daylily will make a fine companion plant.

Plants with yellow flowers also make good neighbors—yellow tulips, Thermopsis, Isatis Glauce, Cassia Marilandica, erect yellow buttercups, sundrops. Plants with white blossoms add to Hemerocallis plantings—Yucca, white Penstemon Grandiflorus, white gladiolus, babysbreath, white phlox or white lilies.

Daylilies are fine for vases. Since an individual blossom is good only for one day ("Hemerocallis" means beauty for a day), one must use slightly different arrangement methods than with flowers that last longer.

One can use foliage from vitex, meadow rue, iris, hosta or other plants. Foliage will last for several days, but blossoms must be renewed each day unless one cuts a stem with a number of well-developed buds.

A charming way to use the flowers cut singly is to place them in a footed container which gives the height needed to show the stemless flowers of to the best advantage.

Such flowers as agrostemma milas, lavatera or butterfly weed, in vases with the daylilies, are lovely. Some fine arrangements combine Hemerocallis with various kinds of evergreens, as Hyperion with Mugho pine or Mrs. D. D. Wyman with hemlock.

Daylilies are not at all fussy about soil nor particular about their location.

An especially simple arrangement is to use the variety Circes with variegated green and yellow honeysuckle for foliage, and place them in a case carrying the golden tones of the daylily and honeysuckle.

Such things as dried roadside grasses, seed pods, branches of honey locust, tamarix or berried shrubs have all been used in arrangements with daylilies.

The sky is evidently the limit when it comes to combinations—they've been used with everything from the long, colorful roots of osage orange to green grapes and Iowa corn.—Olga Rolf Tiemann, Atchinson County, Missouri.

A Suggestion For Making Syrup

FOR those hot griddle cakes and waffles, so welcome on cold winter mornings, a syrup made with one-third cup of corn syrup, one-fourth cup of water and one cup of sugar—stirred and heated together—is suggested by the U. S. Department of Agriculture.

Altho appetizingly thick, this syrup does not crystallize on standing, as many other syrups do. Thus, it may be made in advance and kept in the refrigerator to serve cold or heated, as preferred.

Corn syrup is one of the corn products now plentiful on the market as a result of the last huge corn crop. Its flavor is less sweet than that of sugar.

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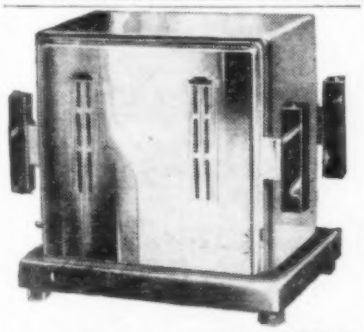

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Lines from ... Aunt Lib

On American Shrines

PA and I just lately got back from a trip east. It was our first visit there. And just about the nicest vacation we ever took. (Since our honeymoon, anyway.)

When we got to Washington, I had to pinch myself to be sure I wasn't dreaming. We took a bus ride out thru the national cemetery at Arlington, and the old town of Alexandria, and to the home of Washington at Mount Vernon.

Aunt Lib

Those places are fuller of history than all the books you ever studied. The Tomb of the Unknown Soldier at Arlington does national honor to the dead of World War I.

A guard kept pacing back and forth in front of the great tomb. I kept thinking about him. He seemed so mechanical—no need to use his own mind—just on orders from higher up. It worries me sometimes when I think of whole armies like that. What if the man at the top starts them out on some evil mission?

I was impressed by the acres of graves over Arlington's rolling fields. Tombs of notables with fancy stones. Acres and acres of others with just plain white markers. And for every grave, a sorrowing loved one somewhere.

At Alexandria, we saw the place where Washington established the first free school in America. The town reminds one of the Old Country, with its narrow streets named "Prince," "King" and the like.

Best of all was the Washigton estate at Mount Vernon. The Ladies Mount Vernon Association bought its 475 acres in 1860, and has maintained it as a national shrine.

The buildings are arranged in a sort of U-shape, with Washington's home at the far end. The kitchen was in a separate building from the mansion proper. It had a big fireplace, with a built-in brick oven beside it. All around were old copper pots and kettles.

Hanging beside the fireplace were bellows used to assist the draft. And a long-handled round brass pan that was used for a bed warmer. (A far cry from the electric kind.)

For light in Washington's study, he had a candle set inside a large ornamental glass cover, like a lamp chimney. There were many shelves of books, and a large "world." (It was a different world then, indeed.)

The four-poster beds in the upstairs rooms looked odd—but just like the pictures. I think maybe the dining room seemed most natural—more like modern times. We really don't eat much differently than they did then.

At the front of the mansion was a broad lawn that led down to the wide Potomac. Washington could not have picked out a better view. The only trouble—he didn't have "picture windows" in his living room.

If your youngster catches cold

DO WHAT MOST MOTHERS DO TO RELIEVE DISTRESS

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PENETRATES to upper bronchial tubes with special medicinal vapors.

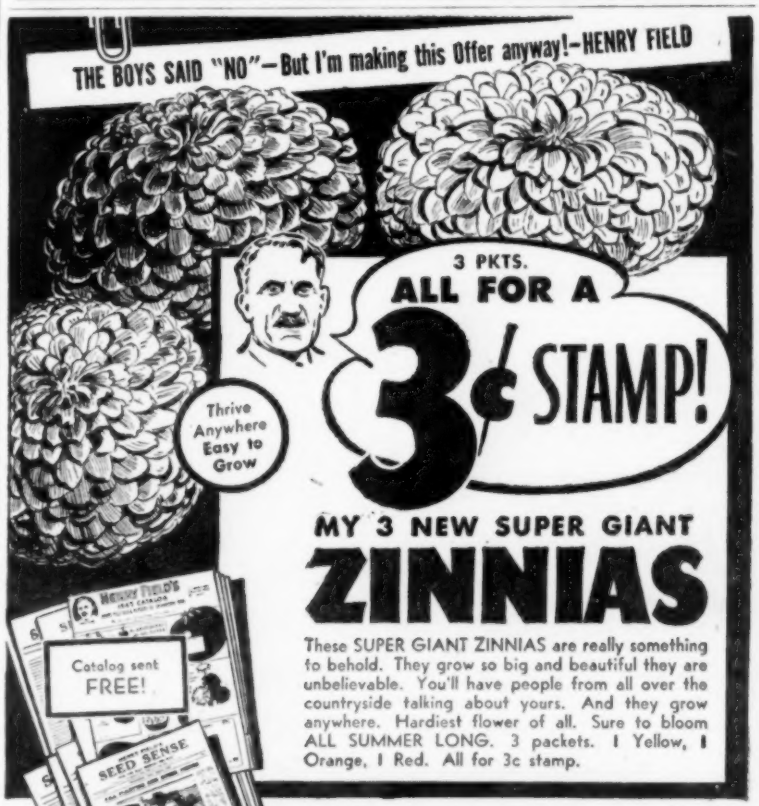
STIMULATES chest and back surfaces like a good warming poultice.

And . . . this special Penetrating-Stimulating action *keeps working for hours* to soothe distress and ease discomfort *even while your little one sleeps.* Often by morning the worst miseries of the cold are gone!

Best known home remedy you can use to relieve distress of colds . . .

VICKS VAPORUB

THE BOYS SAID "NO"—But I'm making this Offer anyway!—HENRY FIELD



MY 3 NEW SUPER GIANT ZINNIAS

These SUPER GIANT ZINNIAS are really something to behold. They grow so big and beautiful they are unbelievable. You'll have people from all over the countryside talking about yours. And they grow anywhere. Hardiest flower of all. Sure to bloom ALL SUMMER LONG. 3 packets. 1 Yellow, 1 Orange, 1 Red. All for 3c stamp.

HURRY. DON'T WAIT—Am making this amazing offer to get acquainted with new gardeners. But don't have too big supply of seed, so get your order in right away. Will send along my 1949 seed and nursery catalog, and a FREE subscription to my magazine "Seed Sense."

MAIL THIS RIGHT AWAY

HENRY FIELD SEED & NURSERY 1410 Elm St. Shenandoah, Iowa

HENRY FIELD, 1410 Elm St. Shenandoah, Iowa

Dear Henry: Please send me 3 Super Giant Zinnia Packets, New 1949 Catalog and "Seed Sense" Magazine. I am enclosing a 3c stamp to help with the mailing.

Name..... Rural Route.....

Postoffice..... State.....

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WITH SEW-GEM ELECTRIC SEWING MACHINE

THE RIGHT-HAND BOBBIN, an exclusive feature in the NEW Sew-Gem, makes sewing a pleasure! Conveniently located for easy removal with the right hand. Sew-Gem also offers you many other proven features of sewing machine tradition . . . more working area, lifetime silent chain drive, floating presser foot, tension control, non-glare light, and full attachments. It's "sewing made simple" when you sew with Sew-Gem.

Choose from a variety of models and cabinet styles. Secretary or writing desk . . . occasional table . . . portable.

See Sew-Gem Sewing Machines at your dealer, or write direct to Dept. WF, Gellman Mfg. Co., Rock Island, Ill.

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STOUT WOMEN YOU CAN Look Slimmer!

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STYLE BOOK FREE

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Rush FREE Style Book for stout women! (152)

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Grow Indoors or Out 4 colors for 10¢

Raise these glamorous big Camellia-type Begonias in window boxes or moist, shady spots in your garden. You'll agree they're about the prettiest flowers you've ever seen. Just send 10¢ today for Begonias and we'll include our new catalog and Free subscription to Gurney's Planting Guide. Mail your 10¢ to:

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Write us today for complete price list of over 50 varieties of the choicest fish. Our prices are right.

FISHER BROS. FISHERIES, Inc.
P. O. Box 1133, GREEN BAY, WIS.

COOKERY CORNER

BOSTON BROWN BREAD

1 cup sour cream
½ cup white sugar
½ cup brown sugar
½ cup sorghum
1 egg
¼ teaspoon salt
1 cup white bread flour
1 cup graham flour
1 teaspoon soda
1 cup raisins
¾ cup nutmeats

Mix sour cream, sugar, sorghum and egg. Add salt and soda to the flour. Mix well with other ingredients. Add raisins and nutmeats. Put into three greased round pans. Bake uncovered for three-fourths to one hour. Remove from oven. Turn upside-down and let stand until cold.

SMOKED PORK SHOULDER WITH SWEET POTATOES

2½ lbs. pre-cooked, smoked pork shoulder
½ cup water
4 medium sweet potatoes, cut in halves
1 teaspoon salt

Place meat and water in cooker. Lay potatoes on rack over meat. Sprinkle with salt. Cook 12 minutes at 12-pound pressure. Makes four servings.

Serve with a mixed green salad, bread and butter, apple sauce and peach tapioca. Serve the children milk. Adults usually want coffee.

CITRUS SALAD DRESSING

2 eggs, lightly beaten
¼ cup sugar
¼ cup lemon juice
½ cup orange juice

Combine and cook in a double boiler until thickened. Chill. Will make about one cup.

WHITE ROLLS

1 cup lukewarm water
1 cup milk
1 package fast-rising dry yeast
5 tablespoons sugar
2 teaspoons salt
6 cups flour
4 tablespoons melted shortening

In half a cup of warm water dissolve one teaspoon sugar, then sprinkle yeast over it and let it stand about 10 minutes. Meanwhile, scald milk, cool to lukewarm, add water and three cups of the flour, beat until it is very smooth. Add yeast and beat again, then melted shortening and flour until dough can be handled easily. Let rest 10 minutes, then knead 10 or 12 minutes. Put in a lightly greased bowl and let rise till very light. Knead down and let rise again. This time make into rolls and when very light bake about 20 minutes in a 425-degree oven.

A very nice flavor is given these rolls by brushing tops with vanilla and beaten white of an egg, before putting in oven. Or brushing tops with melted butter when taken out of oven.—Susan (Mrs. Fred) Benson Marshall County, Iowa.

"JITRNICE"

"Jitrnice" is a Bohemian name. It's hard to explain just how to pronounce it, so we won't try to tell you. But it's a great favorite in Bohemian communities. Try it: I'm sure you'll like it.

Clean, quarter and trim jowls from a hog's head. Add the heart, tongue and a little liver and onion or a bit of garlic. Boil till meat falls from bones. Grind meat.

Crumble two loaves of bread or cooked pearl barley into some of the broth. Add meat, much pepper, salt and allspice and cloves to taste. Mix to mushy consistency. Stuff in casings and tie in rings. Drop in hot water and let come to a boil. Hang on stick to drain. Store in a cool place. Heat before serving.—Mrs. Josie Burda, Jones County, Iowa.

POPULAR POTATO SOUP

3 cups sliced potatoes
1 teaspoon salt
¾ cup water
¼ cup butter
½ cup chopped onion
¼ cup flour
1 teaspoon paprika
½ teaspoon dry mustard
4 cups milk, scalded
4 wieners, sliced

Cook potatoes in boiling, salted water until tender. Mash in the water in which they were boiled. Melt the butter, add onion, and cook until translucent. Add flour and blend. Stir in seasonings, milk and potatoes. Cook until smooth and thick, stirring constantly. Add the sliced wieners. Heat thoroly and serve. Makes six servings.

CHOCOLATE MACAROONS

⅔ cup sugar
4 egg whites
¼ cup water
2 teaspoons vanilla
½ teaspoon salt
1 tablespoon flour
2 ounces chocolate, melted
2½ cups shredded coconut

Beat egg whites with cold water until stiff, but not dry. Beat in sugar and vanilla. Add salt and flour and blend carefully. Fold in melted chocolate and finally the coconut. Drop by teaspoonfuls on paper on a baking sheet and bake in a slow oven—Mrs. Bud Crawford, Wyandotte County, Kansas.

Order Our New Cook Book

Have you ordered your copy of our new cook book? Women who win prizes at the state fairs are generously sharing their recipes with you. There are recipes for bread and rolls, cakes, cookies and pies.

This cook book costs TWENTY-FIVE CENTS. Write for "Prize-Winning Recipes of the State Fair." Address your letters to the Homemaking Department of Wallaces' Farmer and Iowa Homestead, 1912 Grand Ave., Des Moines, Iowa. Enclose the 25 cents, please.

ALONG FARM LINES

Farm families enjoy telephone service much more when all on the line space out their calls—and give each an equal chance to telephone.

NORTHWESTERN BELL TELEPHONE COMPANY

Great General

Teacher asked little Jimmy to name three great generals.

Jimmy said: "General Washington, General Grant and, uh—the one that makes Grape-Nuts Wheat-Meal. I forget his name."

Teacher was baffled. "A hot cereal made by a *general?*"

"Sure," Jimmy said. "And does it taste good!"

"What on earth is this general's name?"

"I remember now," said Jimmy. "It's General *Foods*. Says so on the box!" Adv.

25 GLADIOLUS Bulblets FREE

Mix of my most beautiful varieties. Regular first quality bulbs, except baby size. Will grow tall and lovely. Fully half bloom first year. Developing and growing gorgeous flowers is my hobby. My new Catalog tells all about them—that's why this exceptional offer. Write today—just say, Send Free bublets. Enclose 3c stamp, please. Glads, catalog, my magazine Seed Sense, free, postpd.

HENRY FIELD SEED & NURSERY CO.
1412 Elm St. Shenandoah, Iowa

"—NO MORE UPSET STOMACH"

Do you suffer heartburn after meals?...feel logy? ...uncomfortable? Then read this heartening letter from a woman who found her way to *better digestion* and *better health:*

"Before switching to POSTUM, I suffered both indigestion and nervousness... But now my nerves are quieted and my digestion much improved. No more upset stomach after drinking POSTUM!"

SCIENTIFIC FACTS: Both coffee and tea contain caffein, and caffein is a drug which in many persons tends to produce *harmful stomach acidity*, as well as *nervousness* and *sleepless nights*. So while many people can drink coffee or tea without ill-effect, others *can't*—and this may mean YOU!

MAKE THIS TEST: Give up coffee—give up tea—drink POSTUM exclusively for 30 days—and judge by results! Remember: POSTUM contains no caffein or other drug—nothing that can possibly cause indigestion, nervousness, sleeplessness! Ask your grocer today for INSTANT POSTUM—A Vigorous Drink made from Healthful Wheat and Bran. A Product of General Foods.

+FISH+

Winter caught. Frozen on the ice. Full supplies, prices now sparkling clear. Frozen fish only from "A" merchandise handled.

LAKE MICHIGAN BABY BLUE PIKE SPECIAL
50 lb. Box, $10.00
70 lb. Box, $13.50; 100 lbs. $18.50

Silver Herring, Fancy Pak	50 lbs.	$ 6.00
Smelts, Headless and Dressed	50 lbs.	17.00
Skinned Northern Pike	60 lbs.	12.00
Steelhead (White Perch)	50 lbs.	7.00
Carp, Round, Large	50 lbs.	4.50
Carp, Headless and Dressed	50 lbs.	8.00
Bullheads, Skinned, ready to fry	50 lbs.	16.50
Smelt (Famous Green Bay)	25 lbs.	5.00
Suckers, Bayfish, Jumbo	50 lbs.	4.50

Pike, Walleye, Scaled, Dressed and Headless, Ready to fry — 60 lbs. $16.50

Perch, Yellow, Selekt Large	50 lbs.	$12.50
Red Salmon Steak, Special	30 lbs.	12.00
Steak Cod, Headless and Dressed	50 lbs.	12.00
Boneless Ocean Perch	10 lbs.	3.10
Boneless Haddock or Cod	15 lbs.	5.50
Boneless Ocean Pike	10 lbs.	3.10
Boneless Northern Pike	10 lbs.	3.60
Smoked Bluefins, ready to eat	10 lbs.	2.50
Salt Flat Lake Herring	100 lb. Barrel	19.00

Discount: 1c per lb. less on 100 lb. lots or more. 2c per lb. less on 300 lb. lots or more.
Order one or mixed varieties. Order all you want. No box charge. 36 years your friendly fish shipper.

MIDWEST FISH COMPANY
230-232 N. BROADWAY BOX 1166
GREEN BAY, WIS.

—for EASTER CAKES SHOWERS and BIRTHDAY

(in two Sections)

8x13 inches, Genuine Cast "Lustre Alum Ware"

BEAUTIFUL CAST ALUMINUM LAMB MOLDS $3.95 postpaid

Frosted and sprinkled with cocoanut, raisins for eyes, etc. Children and adults delight in it! Lady Baltimore recipe in exact proportions included.

Bunny Mold $3.95, Heart $2.95, Krumkake Iron $4.95, Ebleskiver Iron $3.45, Rosette Iron $1.49 — Postpaid

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C. O. D., if requested, is approx. 25c extra.

Earliest Tomato

JUNG'S WAYAHEAD has big red fruits ripe as early as July 4th. Regular price 15c per pkt. but to introduce Jung's Quality Seeds we will send you a trial pkt. of this Tomato, Tendercore Carrot, All Cream Lettuce, Earliest Radishes and a large pkt. of

SUMMER GLORY FLOWERS that will bloom from early summer until hard frosts, all for 10c; in Canada 25c.

FREE Our beautiful full color catalog of bargains in Seeds, Plants, Shrubs, Hybrid Corn and Certified Seed Grain. Coupon for rare Premiums in each catalog.

J. W. JUNG SEED CO., Dept. 24, Randolph, Wis.

WOMEN—EARN EXTRA MONEY

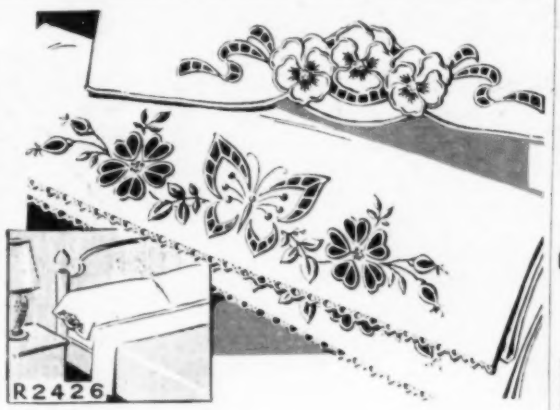
Earn up to $23 weekly; get your own dresses without cost. No canvassing, investment or experience necessary. Write fully, giving age, dress size.

FASHION FROCKS, Inc., Dept. B1082, Cincinnati, O.

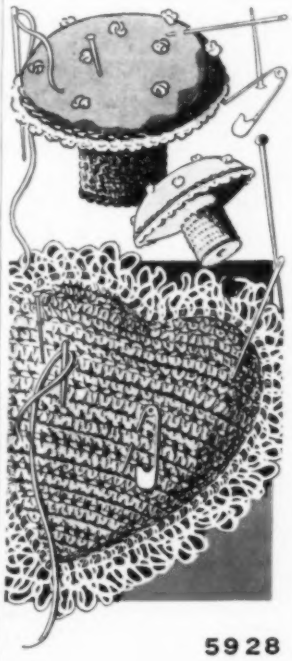
Photo Finishing. This ad and 25c gets you 10 oversize prints or 5 4x6 enlargements.
JUMBO PRINTERS, Lake Geneva 4, Wisconsin

U. S. SAVINGS BONDS ARE SAFE

For Flying Needles



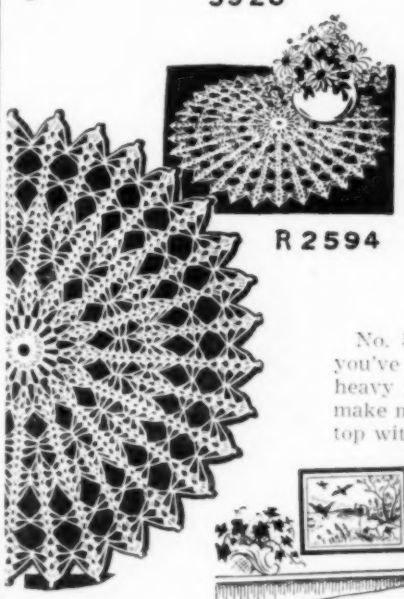
No. R-2426 — Embroider these beautiful flowers to enhance your bed linens. Cut-work embroidery is fun to do, and you'll be proud of the finished results. Lovely linens always make a cherished gift.



5928

No. 5928—Pretty pin cushions from cotton odds and ends. Cute mushroom of red felt trimmed with white crochet has green stem which covers a spool of sewing thread. Heart cushion is easily crocheted of red cotton edged with white.

No. R-2594—Enchanting doily. Simple to make, as only easiest of stitches are used. It will fit in upstairs or down. The simple stitches radiating from a center motif give a wheel effect. For gift-giving, this doily has lots of eye-appeal.



R 2594

5907

No. 5907—The ear of corn pot holder you've been asking about. Knitted of heavy yellow and orange wool. You can make more than one in an evening. Trim top with leaves and a hanging loop.

R 2268

No. R-2268 — A lovely way to enhance your home and a fine way to spend leisure moments. So easy to embroider, but the rich colors add glowing warmth to your room.

Designs are 20 cents each, in stamps or coin (coin preferred). New FASHION Book is 25 cents. Useful and interesting. Order from Pattern Department, Wallaces' Farmer and Iowa Homestead. CAUTION: Always give name and address.

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Farm Home Heating

that is CLEAN, EASY to OPERATE COMFORTABLE and LOW COST

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ALL-PURPOSE Furnace Burns Coal, Oil or Gas
Be Certain of Fuel Supply

Easily and economically converted from coal to burn gas or oil. Stoker or hand fired. Forced air for winter heat and summer cooling.

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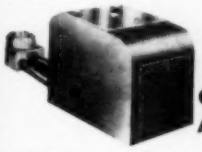
Cuts Oil Bills — Is Quickly Installed

Burns all grades domestic and Catalytic fuel oils. Easily installed in any coal furnace. Replace wasteful oil burner now.



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Please send information on Green Colonial
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Name .....
Address .....

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COAL • OIL • GAS FURNACES
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For Quick Cough Relief, Mix This Syrup at Home

No Cooking. No Work. Real Saving.

Here's an old home mixture your mother probably used, but, for real results, it is still one of the most effective and dependable for coughs due to colds. Once tried, you'll swear by it.

It's no trouble. Make a syrup by stirring 2 cups granulated sugar and one cup water for a few moments, until dissolved. No cooking needed—it's so easy! Or you can use corn syrup or liquid honey, instead of sugar syrup.

Now put 2½ ounces of Pinex into a pint bottle, and fill up with your syrup. This makes a full pint of truly splendid cough medicine, and gives you about four times as much for your money. It keeps perfectly and tastes fine.

And you'll say it's really excellent for quick action. You can feel it take hold swiftly. It loosens the phlegm, soothes the irritated membranes, and helps clear the air passages. Thus it makes breathing easy and lets you get restful sleep.

Pinex is a special compound of proven ingredients, in concentrated form, well-known for its quick action on throat and bronchial irritations. Money refunded if not pleased in every way.

THIS AD PLUS 35c GIVES YOU 16 Jumbo, oversize, enlarged prints from any 8 exposure roll developed. Enlargement coupon free. Quality and quick service for 19 years.
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GET HIGHER EGG PRODUCTION WITH Hy-Line PULLETS

MILO HOVICK
Story City, Iowa
Hy Lines housed 360
Total eggs for year 90,520
AV. 251.4 EGGS PER HY-LINE

FREDERICK STEINHEIDER
Goehner, Nebraska
Hy Lines housed 375
Total eggs for year 85,072
AV. 226.9 EGGS PER HY-LINE

CHAS. L. ROTHMAN
New Baverie, Ohio
Hy Lines housed 125
Total eggs for year 28,388
AV. 227.1 EGGS PER HY-LINE

MRS. W. C. McCLAIN
Sabetha, Kansas
Hy Lines housed 170
Total eggs for year 38,578
AV. 226.1 EGGS PER HY-LINE

RALPH FLEMING
Irwin, Illinois
Hy Lines housed 266
Total eggs for year 58,213
AV. 218.9 EGGS PER HY-LINE

200 Eggs Per Bird Per Year

(Hen-Housed Average)

Are Common with Hy-Line Flocks

Start right in 1949 . . . with Hy-Line Chicks. Raise Hy-Line pullets, the kind that lay at high rates under farm conditions . . . Step up egg production of your flock . . . Hy-Lines generally lay 2 to 6 dozen more eggs per bird per year than ordinary farm flocks. Yearly averages of 200 eggs per bird are common. These claims are backed up by practical experience on many midwest farms. Here are a few Hy-Line flock records.

Owner of flock	No. Hy-Lines Housed	Total Eggs Laid for Yr.	Avg. Eggs Per Bird
O. L. Strand Indianola, Iowa	205	51,611	251.8
Clarence Twendt Inwood, Iowa	294	30,038	240.8
Marshall Shaw Jewell, Iowa	265	62,245	234.9
Harry Kime Cumming, Iowa	338	89,417	264.5
E. J. Schmuecker Marengo, Iowa	440	99,512	226.2

WE INVITE YOUR MOST SEARCHING INQUIRY

Write today for the new Hy-Line Chick Catalog. Learn how *research* has developed this more profitable chicken for your farm. Act now before Hy-Line Chicks are sold out for 1949.

IN 1949 RAISE Hy-Line CHICKS
Bred Like Hybrid Corn

OFFICIAL AVERAGES
Hy-Lines, Leghorns, New Hampshires
Illinois Egg Laying Test

Following information was compiled from official reports of Illinois Dept. of Agr.:

Average Eggs Per Bird Per Year

Year	All Hy-Lines	All Leghorns	All N. Hamps.
1944-45	206.2	123.2	131.2
1945-46	234.2	188.5	165.7
1946-47	227.7	185.6	160.0
1947-48	215.2	178.0	145.5
Average	221.5	167.6	150.1

HY-LINE POULTRY FARMS

A Department of Pioneer Hi-Bred Corn Company
115 Eleventh St., Des Moines 9, Iowa

THESE HATCHERIES ARE HATCHING GENUINE HY-LINE CHICKS
BUY FROM THE HATCHERY NEAREST YOU

IN IOWA

Town	Name of Hatchery
Akron	Nelson Hatchery
Alexander	Alexander Hatchery
Buffalo Center	Grotewold's Farm Store
Clarinda	Farmers' Produce & Hatchery
Cedar Falls	Hurlburt Hatchery
Coon Rapids	Rippey-Miller
Council Bluffs	Council Bluffs Hatchery
Denison	Tenhulzen & Sons
Des Moines	Hy-Line Poultry Farms
Dyersville	Lammers Hatchery
Grinnell	Rudkin Hatchery
Indianola	Allen's Blue Ribbon Hatchery
Jewell	Jewell Hatchery
Lake Mills	Grotewold's Farm Store
LeMars	LeMars Hatchery
Malvern	Wilson Hatchery
Marcus	Dorr Hatchery
Marengo	Marengo Hatchery
Marion	The Gordon Hatchery
Mason City	Hy-Cross Hatchery, Inc.
McClelland	McClelland Hatchery
Mount Ayr	Prentis Hatchery
Mt. Pleasant	Baxter Hatchery
New Sharon	Goodman Hatchery
Rockford	Trettin Hatchery
Sac City	Sac City Hatchery
Schleswig	Tenhulzen & Sons
Sheldon	DeJong & Fedders Hatchery

IN IOWA (Continued)

Town	Name of Hatchery
Sibley	Houghton Hatchery
Spencer	DeKoster Hatchery
Washington	Washington Chick Co.
West Union	Buckley & Kretzinger

IN MINNESOTA

Town	Name of Hatchery
Alexandria	Paul Bunyan Hatcheries
Cokato	Oakwood Hatchery
Glencoe	Hy-Cross Hatchery
Owatonna	Hy-Line Hatchery
Redwing	Redwing Chick Co.
Sleepy Eye	Sleepy Eye Chick Co.
Stewartville	Stewartville Hatchery
Wells	Walnut Lake Hatchery

IN NEBRASKA

Town	Name of Hatchery
Lincoln	Roscoe Hill Hatchery

IN SOUTH DAKOTA

Town	Name of Hatchery
Sioux Falls	Sioux Valley Hatchery
Watertown	Lakeview Hatchery

IN ILLINOIS

Town	Name of Hatchery
Joliet	Corn Belt Hatcheries, Inc.

If no hatchery listed is in your community, write direct to:
Hy-Line Poultry Farms, 115 Eleventh Street, Des Moines 9, Iowa

SAVE! ORDER Boote's CHICKS NOW!

Boote's chicks are famous for fast growth, rapid feathering—and big egg profits. Popular breeds. U. S. Approved and Pullorum controlled. Hatched in modern, sterilamp-protected hatchery to give you strong, husky, healthy chicks. $4.00 per 100 and up—guaranteed to live 3 weeks. No strings to this. Boote's 22 years' experience assures you satisfaction. Save money. Order now. Free catalog.

BOOTE'S HATCHERIES, INC., Worthington, Minnesota

Reading the Advertisements . .

—tells you what to buy and how to get most value for every penny spent. A dozen needs arise on your farm every week. Knowing which machine, which tools, which automobile, which suite of furniture, which cooking fuel is the best for the price you pay, will save money otherwise thrown away. Perhaps as little as twenty-five cents a week—perhaps a hundred dollars a single purchase.

Wallaces' Farmer and Iowa Homestead
DES MOINES, IOWA

Two-House poultry raiser is Mrs. Russell Petersen, Boone county, Iowa. Producing hatching eggs, she likes to keep some hens over to second, or even third, year. But she agrees with experts about dangers of mixing old hens and pullets. She has 275 pullets in this bunch, 380 old hens in a separate house. "Keeping pullets and old hens separate," she says, "means better production, fewer diseases."

Is This Year For More Chicks?

Maybe, If You're Fixed To Handle Early Brood; Late Pullets May Not Be Good Bet

RIGHT now is the time to make your 1949 poultry plans. That means answering two big questions: How many chicks to buy? And when?

To get all the answers, you need to project your thinking ahead to next summer, fall and winter. What will poultry and egg prices be then?

That isn't easy to figure out now, of course. But, by picking the brains of market experts and poultry specialists, it's possible to come up with some fairly good guesses.

Most of them add up this way: This is no time to be an in-and-outer—unless you're fixed to handle extra early chicks. If you are not, don't expand this year.

Those big piles of corn mean lower feed prices. So many folks will be tempted to raise more chickens. About 15 per cent more chicks than usual will be started.

Most of those extra chicks will be bought at the usual time—in late March, April and May. That means a big boost in egg output late in 1949 and early in 1950.

Also, there will be a lower government support price for eggs after the first of next year.

So egg prices, according to an Iowa State College estimate, could drop 10 to 15 per cent below present levels.

But that price-drop won't show up until quite late in 1949. Eggs produced from August to January should bring a good price. That means you can beat the big rush toward more chicks by starting yours early—if you're fixed for February or March chicks.

What about poultry meat? That depends in large part on how much red meat is available.

Pork supplies won't go up sharply until the expected big crop of 1949 spring pigs is ready for market. There may not be a lot more beef, either, until late this year.

But all signs point to continued high employment and good wages. City folks will continue to spend about as much for food as they have been spending. So, until pork and beef supplies climb higher, they'll want a lot of chicken.

Therefore, broilers and friers should bring fairly good prices, at least until the 1949 spring pig crop starts to market.

Here, again, the early birds have the best chance to get the good worms. Broilers and friers going to market ahead of the early summer rush will bring the best returns.

With feed cheap, there's an argument for raising early meat birds this year, even if you haven't been doing it in the past. Early straight-run chicks might make sense, if you're fixed to feed out the cockerels when the pullets go on range.

This may be the year, too, to start a second batch of broilers in the spring, after your early chicks are out of the brooder house. They should bring a satisfactory price if sold by early fall.

Later in the year, meat birds will run into competition from increased hog marketings. That's another argument against late chicks—and for not hanging on to your present laying flock too far into next fall.

All in all, it looks like a good year for poultrymen—if you plan your operations to take advantage of good poultry meat prices between now and fall, and good egg prices before the middle of next winter.

But you may be disappointed if you start a lot of late pullets. They'll get into production about the time prices start down, in December or January.

Fresh Fish

Frozen alive in the snow, on the lake. The best, clear water, good eaters. Appetite satisfying varieties for particular cooks. Every fish has passed a rigid inspection, and we guarantee shipments, iced to arrive good at your EXPRESS DEPOT. Make up an assortment today sure. Just check the one you want or mail separate letter, including ad and we will ship promptly C.O.D., plus fees or you can remit with your order.

SPORTSMAN SPECIAL

25 lbs. dressed, headless Northern Pike, 25 lbs. Walleyed Pike, 25 lbs. Lake Perch, 25 lbs. gutted Lake Trout; all 100 lbs. **$29.00**, ½ order **$15.00**.

ALASKA GEMS

20 lbs. Flounder, 20 lbs. Salmon, 40 lbs. Chicken Halibut. These are all heads on, gutted, sealed for shipping. All 100 lbs. **$35.00**, ½ order **$18.00**.

FANCY PACK SPECIAL

Ideal for storing in home freezer, as this assortment is all cello-wrapped in 1 lb. packages, especially in 10 lb. boxes. All boneless, absolutely ready for the pan; fry slowly in deep fat. 20 lbs. Pike steak, 20 lbs. Perch steak, 20 lbs. Cod steak, 20 lbs. Haddock steak; all 80 lbs. **$24.00**, ½ order **$12.50**.

LAKE MICHIGAN SPECIAL

Packaged for frying, same as above special, 20 lbs. Bluefin steak, 20 lbs. Mullet steak, 20 lbs. Northern Pike steak, 20 lbs. Whitefish steak, all 80 lbs. **$25.00**, ½ order **$13.00**.

BOX LOTS

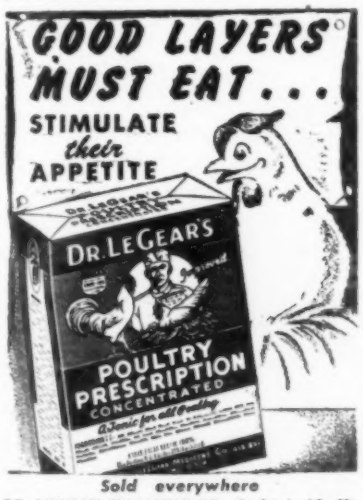
50 lbs. famous all cleaned Bull Heads in 10 lb. boxes **$14.00** or **$3.00** per box. 100 lbs. Silver Herring **$8.50**. 100 lbs. gutted Silver Herring **$10.00**. 100 lbs. Suckers **$7.50**. 100 lbs. all cleaned large and good Carp **$13.00**. 50 lbs. box all cleaned Carp **$7.00**. 15 lb. box Lake Michigan smelt **$2.50**. 100 lb. box round Northern Pike **$15.00**. 100 lb. box headless, dressed Northern Pike **$22.00**. 100 lb. box Walleyed Pike **$28.00**.

OVEN FRESH SMOKED FISH

Ready to eat for a delicious quick meal or lunch. If ordering by parcel post add 40 cents postage. 10 lb. box smoked Fat BUFFALO CHUNKS **$4.50**. 10 lb. box ALASKA SALMON CHUNK **$6.75**. 10 lb. box Chunk Fat White Fish **$4.50**. 10 lb. box Fat Chunk Quebec Eel **$5.00**. 10 lb. box Smoked Blueback Herring **$2.25**. 10 lb. box Smoked Fat Whole Tullibee Whitefish **$4.00**. 10 lb. box smoked Fat Lake Chub **$4.00**. Order as much as you like of these varieties. Frozen fish must be ordered by express and when ordering smoked fish and frozen fish together we will ship it all by express. Order with confidence from your friendly fisherman.

LESTER FISHER FISH CO.
LICENSE NO. 41 MARINETTE, WIS.

GOOD LAYERS MUST EAT...
STIMULATE their APPETITE



Sold everywhere
DR. LEGEAR MEDICINE CO., St. Louis 16, Mo.

Don't Wait — Order Now

THE FAMOUS
GREEN BAY FISH CO.
Box 505 Green Bay, Wis.

Has a full supply of new winter caught fresh frozen fish. Quality and service guaranteed.

Herring, Silver, Dressed	50 lbs.	$ 7.50
Walleye Pike, Large	50 lbs.	16.00
Pike, Scaled, Dressed and Headless	60 lbs.	12.00
Lake Trout	50 lbs.	22.50
Shovelheads, Large (White Perch)	50 lbs.	7.00
Lake Whitefish	50 lbs.	20.00
Northern Pike (Pickerel) Headless and Dressed	50 lbs.	12.50
Bullheads, Dressed, Blood Red	60 lbs.	17.00
Skin Cod, Headless and Dressed	50 lbs.	12.00
Cod, Headless and Dressed	50 lbs.	8.00
Smelt, Silver (A Treat)	50 lbs.	10.00
Salmon Steaks	60 lbs.	22.50

Boneless Ocean Pike, Ocean Perch, Haddock, Cod, Rosefish, 10 lb. cartons. All fish bones removed. Special, each carton ..... $ 3.20

Smoked Whitefish	10 lbs.	$ 4.00
Smoked Lake Herring	100 lbs.	18.00

A full supply of frozen, smoked, salt and spiced fish and Oysters. Order from this ad. A complete list will be sent you. In lots of 100 lbs. or more deduct 1c per lb. Order early.

TELL THE
ADVERTISER
that you are writing him through his advertisement in WALLACES' FARMER AND IOWA HOMESTEAD.

The Farm Flock

HIGH TEMPERATURES can do just as much damage to egg quality in winter as in summer. Don't store fresh eggs in a warm house or other heated place. Cool them down as soon as possible after laying, and keep them at a temperature below 50 degrees. A U. S. Department of Agriculture study shows that the main reason for low egg prices in the midwest is low quality. If eggs were better, the price probably would be, too.

▲ ▲ ▲

THREE SUGGESTIONS for keeping egg production up during cold weather are made by S. F. Ridlen, of the University of Illinois. First, see that your laying house is properly ventilated. Second, don't let ice form on the drinking water. Third, give your hens some green feed or well-cured alfalfa. Wet mash fed at the same time for 10 to 20 minutes each day will help prevent a slump. So will artificial lights.

▲ ▲ ▲

TEN YEARS AGO, Extension Poultryman W. R. Whitfield, of Iowa State College, checked 118 laying flocks in north-central Iowa, found that 94 of them were running outside in winter weather. This year, a similar check showed only 16 out of 240 flocks outside. Whitfield is convinced that more winter confinement has had a lot to do with the production increase from 4.8 eggs per hen in November 10 years ago to 9.7 per hen in November, 1948.

▲ ▲ ▲

IOWA HENS set a new all-time egg-laying record last year. The state produced 1,420,000 eggs in 1948, to top the previous record (1946) of 1,415,000. The record was set with smaller average flocks, but with much improved birds, feeding and care.

▲ ▲ ▲

DECEMBER egg production in Iowa also was a new record for that month. December rate of lay was 1,153 eggs per 100 hens, five times greater than 20 years ago.

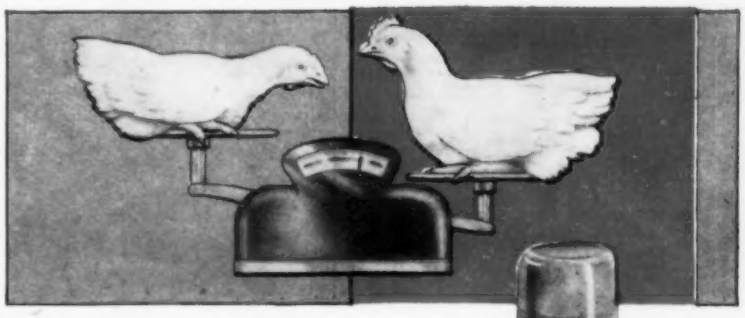
▲ ▲ ▲

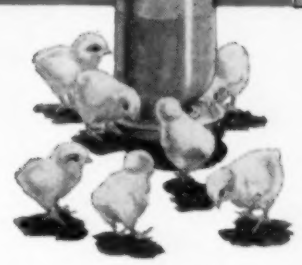
HOW WOULD YOU LIKE to sell a turkey for $1,135.37? That's the record price paid for the grand champion dressed bird at last month's National Turkey Federation meeting in Des Moines. The California-raised winner was sold for $31 per pound to Dr. J. E. Salsbury, Charles City, Iowa.

"Poor Emmet's so busy he just can't take off a minute from his work."

helps grow better birds

that mature quicker . . . lay earlier





Put DR. SALSBURY'S
Ren-O-Sal
tablets in chicks' drinking water right from the start

Get 14 Days Earlier Egg Profits

The earlier your chicks mature and start laying, the more money you'll get for their eggs. For early eggs usually bring top prices. Dr. Salsbury's Ren-O-Sal helps you grow birds that mature quicker . . . lay up to 14 days earlier. These results are test-proved, using customary feeds. So, use Ren-O-Sal right from the start. Tablet form, easy to use in the drinking water.

Larger Doses Give Low Cost Coccidiosis Control

Dr. Salsbury's Ren-O-Sal also prevents the spread of cecal coccidiosis. Generally costs *less* than one cent per bird. Has reduced losses for thousands of raisers. Use at first signs of an outbreak.

For earlier egg production—low cost coccidiosis control, buy Dr. Salsbury's Ren-O-Sal, today. In handy tablet form. At hatchery, drug or feed stores.

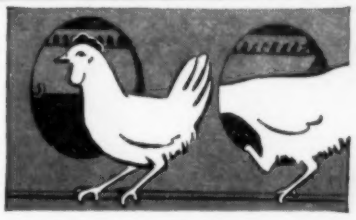
When you need poultry medicines, ask for

DR. SALSBURY'S LABORATORIES
Charles City, Iowa

Dr. SALSBURY'S

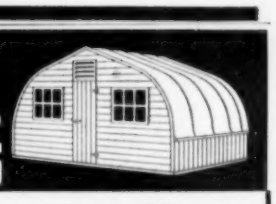
Keep Your Laying Flock *Profitable*

Dr. SALSBURY'S **Avi-Tab**
Special Drug Formula



Watch for birds that "don't do their best." Avi-Tab has helped many such birds in thousands of flocks. See birds "perk up." Combs and wattles become redder. Low cost. Easy to use in mash. Avi-Tab is packaged for every size flock. For a more profitable flock, buy Dr. Salsbury's Avi-Tab, today. See your local hatchery, drug or feed store, now. Dr. Salsbury's Laboratories, Charles City, Iowa.

WALNUT *Prefabricated* VENSULATED **BROODER HOUSES**



SAVE TIME...MONEY

House your chicks in a healthful, comfortable Walnut brooder house within a few days. Immediate delivery on 10x12 or 12x14 ft. models. Precision-cut sections easily put together in a few hours without skilled labor. Assembly-line methods and quantity purchases give you attractive prices. Sturdy, good-looking, long-lasting, convenient.

WRITE . . . OR SEE YOUR DEALER

Get full information, descriptions and prices on the buildings that will answer your problems.

HOME-WAY

LOW-COST HOUSING

The new Home-Way gives you quality construction and variety with big savings through sectional engineering. 20x32 ft. model (illustrated) has basic price of about $2,500. Meets FHA technical requirements. Get special Home-Way circular.

FARM BUILDINGS FOR EVERY NEED

GBH-WAY HOMES, INC.
Dept. W WALNUT, ILLINOIS

QUALITY FISH

FROZEN MISSISSIPPI RIVER FISH
FAMOUS FOR TASTE AND QUALITY

	Per Lb.
Carp, Hdls., Drsd., Large 22c; Medium	20c
Buffalo, Hdls., Drsd., Medium	38c
Sheephead, Tender Meat, Scld., drsd., 10 lb. pkgs.	30c
NEW FROZEN FISH	
Catfish, Choice, Sknd., Drsd., Hdls., 10 lb. ctns.	55c
Bullheads, Sknd., Drsd., Hdls., Lge., 10 lb. ctns.	40c
Bullheads, Sknd., Drsd., Hdls., Med., 10 lb. ctns.	32c
Walleyed Pike, Round, Fancy	32c
Baby Walleyed Pike, Scld., Hdls., Drsd.	32c
Northern Pike, Hdls. and Drsd.	25c
Ocean Pike (Whiting) Hdls. and Drsd.	17c
Salmon, Silver, Red	47c
Salmon Steaks, Silver, Red	54c
Halibut Steaks	54c
Sablefish, Drsd., Hdls.	28c
Halibut, Chickens	33c
NEW FROZEN BONELESS FILLETS	
Cod, Sknls., Cello—1 lb. pkg.	38c
10 lb. ctns.	31c
Haddock, Sknls., Cello—1 lb. pkg.	43c
10 lb. ctns.	38c
Pollock, Cello—10 lb. ctns.	25c
Sea Perch, Cello—5 and 10 lb. ctns.	31c
Ocean Pike (Whiting), Cello—10 lb. ctns.	26c
Walleyed Pike, 5 lb. Cello or Single Fzn.	63c
Northern Pike, Cello—5 lb. ctns.	42c
SMOKED FISH—HOME HICKORY SMOKED	
Smoked Carp, Choice Chunks, 5 lb. ctns.	32c
Smoked Salmon, Chunks, 5 lb. ctns.	58c

(For shipping smoked fish by parcel post add 25c per ctn.)

Prices are F.O.B. Lansing. No extra charge for boxes or ice. Over night express service to almost all points in Iowa, Minnesota and Wisconsin.

Order today from this ad. All fish are guaranteed. 1c lb. off on orders of 100 lbs. or more, one or mixed items. Express rates cheaper on orders of 20 lbs. or more.

LANSING FISHERIES CO., INC.
Distributors of Quality Fish Since 1900
LANSING, IOWA

BIG EARLY ORDER DISCOUNT ROP Bloodlines
You can save up to $3.00 per 100 on CHICKS Shipped before March 20

New Hamps, Hamburgs, Wh. Rocks, Black Giants, Wh. Leghorns, Brown Leghorns.

Started Pullets

Send post card for FREE Catalog and low prices. 48 hr. nation-wide shipping service. U. S. Approved—Pullorum Controlled. Orders Filled Promptly.

WINDSOR HATCHERY, WINDSOR, MO.

WHITE LEGHORNS
Rocks, Reds, Orpingtons, Wyandottes, Minorcas, Austra-Whites. $12.90 Per 100 Prepaid
Assorted, Low as $4.95 per 100.
Also Sexed and Started Chicks
FREE CATALOG explains two-week replacement guarantee. U. S. Approved. U. S. Pullorum Controlled. R.O.P. Foundation Breeding
SCHLICHTMAN HATCHERY Appleton City, Mo.

6 WEEKS OLD
Large White Leghorns

Healthy, vigorous chicks that have proven their ability to live. We will tell you just what they will cost delivered to you. Get this information today.
ECONOMY HATCHERY, WARRENSBURG, MO.

LUX R. O. P. Leghorns

Iowa-U.S. Certified Chix and Eggs. 20,000 daughters and granddaughters of our ROP hens with records of 200 to 332 mated to ROP males from hens with records of 300 to 354 eggs. 25 years breeding experience. Iowa's largest ROP Leghorn Breeding Farm. Catalog.
Lux Leghorn Land Farms Hopkinton, Iowa

Choice TURKEY POULTS

Send for FREE CIRCULAR describing Mixa's Broad Breasted Bronze turkey poults for 1949. Popular medium and heavy strains are available—all scientifically hatched under "hospital clean" conditions. Hatching eggs shipped in from famous West Coast breeding farms are all pullorum clean. Your order is guaranteed for 100% live delivery.
Redwood Falls, Minnesota.
MIXA TURKEY HATCHERY, Inc.

Raise Early Chicks This Year

Chicks available in all popular breeds and crossbreeds. Low prices for January, February Delivery. Inquire today. Beautiful 4-color catalog free. Write
ZEELAND HATCHERY ZEELAND, MICH.

U. S. APPROVED, PULLORUM PASSED CHICKS
Rocks, Wyandottes, Hampshire Reds, Rock-Hamps, White, Brown, Buff Leghorns, Anconas, Austra Whites. Heavy Assorted $9.95. Lights $7.95. Leftovers $6.95. Leghorn Cockerels $3.95 Collect. Get complete prices.
SADIE STOUFFER HATCHERY
Waddams Grove Illinois

FREE MRS. BERRY'S POULTRY BOOK
BABY CHICKS or STARTED. Champion-Mated, Licensed-Inspected, B.W.D. TESTED. 52 BREEDS, 6 HYBRIDS. Sexed or straight. Mature fowls, Hatching Eggs and Remedies. LOW PRICES. The ORIGINAL Berry's Farm—over 50 years' service. LARGE BEAUTIFUL BOOK FREE. Stamps appreciated.
BERRY POULTRY FARM, Bx. 18, CLARINDA, IOWA

WILCOX—Turkeys, Chicks, Ducklings, Broad Breast Bronze, Whites and other popular turkeys. All U. S. Pullorum Tested Stock. All varieties Baby Chicks—from select foundation stock, bred for high egg production, fast growth and meat qualities. Also White Pekin Ducklings for Extra Profits. Get the Wilcox catalog and low price list first. IT'S FREE.
WILCOX HATCHERY, Dept. B, Maquoketa, Iowa

HIGHEST CASH PRICES PAID
For New Goose and Duck Feathers
Send yours to an accredited house. Send sample for price on old feathers. Cash 24 hours later.
WEST CHICAGO FEATHER CO.
4456 W. Fillmore Chicago, Ill.

PIGEONS WANTED. COMMON BARN. Large quantities. Highest prices. RUSS ELLIOTT, Baytown, Mo.

—OUR ADS ARE NEWS—

Commission of 2 cents a dozen has kept young Charles Frandson interested in doing a slick flock management job on his dad's Story county, Iowa, farm. He has succeeded, too—with an average of 255 eggs per bird in each of the last two laying seasons.

Egg "Commission" Plan Pays Off

Father-Son Partnership Helps Run Up Laying Record Of 255 Eggs Per Bird

HAVE you ever wondered how you could get the kids interested in helping with the chickens? Here's an idea that may help you.

A "commission" of 2 cents per dozen on all eggs produced has kept a 13-year-old youngster's interest in poultry at red-hot pitch, and has helped run up some phenomenal laying records on the Arthur Frandson farm, in Story county, Iowa.

The Frandson flock, with young Charles Frandson in charge, has averaged around 255 eggs per bird in each of the last two laying seasons. And that achievement is on a hen-housed basis—the toughest way to figure averages, because it charges all of the pullets housed against egg production—even tho some of them are culled out long before the laying season is over.

Charles and his parents started their partnership deal in 1946. In October, "Chuck" housed 220 inbred hybrid pullets, culled them down to 185 by spring. The flock's season average was 255.5 eggs per bird housed.

In 1947, Charles put 235 pullets into the house, had 219 left next spring. This time, the hen-housed average was 254.4 eggs per bird.

This winter, with Chuck now a high school freshman, the Frandson operation is about the same as last year. Once again, the birds are laying their heads off.

Arthur Frandson furnishes the chicks, house, feed and other expenses. Charles, with occasional help from his mother, handles all poultry chores in earning his commission of 2 cents a dozen. He admits a natural interest in chickens, but agrees that he likes that $100 a year income, too.

Last summer, Chuck financed a two-week trip to Estes Park, in Colorado. During Christmas vacation, he and a friend spent a week in Chicago.

Says Chuck's father, in something of an understatement: "This method of giving a child some allowance has proved very satisfactory."

The Frandson record isn't all luck. Besides good hens, Charles has a good hen house with which to work. It's 20x32, with a cement floor laid over gravel and tar-paper. The house is insulated, has both roof and slot ventilation.

Chuck uses a deep litter for the flock—from six to eight inches of ground cobs. The roosts are built over droppings pits, tho Charles cleans the pits frequently—"too often," says his dad.

The flock on the Frandson farm gets oats and corn, half-and-half, plus a 26 per cent protein concentrate, all of which is fed cafeteria style.

proven supreme

PILOT BRAND OYSTER SHELL

FOR POULTRY

Egg production contests throughout the country over the last 25 years have proved the supremacy of crushed Oyster Shell over all other egg-shell material.

Pilot Brand Oyster Shell is always the same in calcium carbonate content.

Pilot Brand Oyster Shell is pure, therefore no risk in keeping it before your fowl at all times. Your hens take it only as they need it, thus no waste.

At all feed dealers everywhere

OYSTER SHELL PRODUCTS CORP.
New Rochelle, N. Y. St. Louis, Mo.

BE SURE . . . of your *chick ration!*
FEED YOUR CHICKS
VICTOR
CHICK STARTERS
(GRANULES OR MASH)
CRETE MILLS . . . CRETE, NEBR.

NEW! HYBRID White Hulless POPCORN
29% Greater Popping Volume
16% GREATER YIELD
—in U. of Minn. tests! Much more tender and flavorful than Jap Hulless. Here's the last word in popcorn quality—it's snow-white, hulless, sure to pop. Grow your own—a big money-maker for commercial growers.
Many more new items in colorful FREE catalog. A post card brings it.
FREE SEED CATALOG
FARMER SEED & NURSERY CO.
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KIDNEYS MUST REMOVE EXCESS ACIDS
Help 15 Miles of Kidney Tubes Flush Out Poisonous Waste
When disorder of kidney function permits poisonous matter to remain in your blood, it may cause nagging backache, rheumatic pains, leg pains, loss of pep and energy, getting up nights, swelling, puffiness under the eyes, headaches and dizziness. Frequent or scanty passages with smarting and burning sometimes shows there is something wrong with your kidneys or bladder.
Don't wait! Ask your druggist for Doan's Pills, a stimulant diuretic, used successfully by millions for over 50 years. Doan's give happy relief and will help the 15 miles of kidney tubes flush out poisonous waste from your blood. Get Doan's Pills.

Stop Your Losses To Rats
GET this sure-fire formula that will rid your farm of destructive, disease-carrying rats. CHEAP—you can mix it yourself . . . easy to buy ingredients. PROVEN and TESTED, the formula prepared by an Iowa chemist . . . $3.00 with complete instructions. ORDER TODAY! GUARANTEED WHEN USED AS DIRECTED.
Claude Oleson, Hampton, Iowa

WILL YOUR CHICKS LOOK LIKE THIS..

OR THIS

Protect them from dangers lurking in contaminated drinking water

Dr. Jespersen's D.R.D.

Use Dr. Jespersen's D.R.D., the famous drinking water antiseptic in your chicks' water troughs or fountains. Kill those dangerous organisms in the water before they kill your chicks and poultry. D.R.D. Prices—for 300 chicks, $1.50; 600 chicks, $2.75; 1200 chicks, $3.25.

Dr. Jespersen's SANITEM

The NEW and IMPROVED SANITEM. Deodorant and disinfectant. Keeps poultry houses, roosts, equipment sanitary and clean smelling. SANITEM Prices—quart $1.50; gallon $5.00.

SEE YOUR JESPERSEN DEALER

If he is out, to save time we will ship at D.R.D. Prices or at Sanitem Prices direct to you prepaid if check or M.O. with order—or C.O.D. and you pay delivery charges. Attractive proposition for established dealers.

Dr. Jespersen's LABORATORIES
Dept. W-21 SPENCER, IOWA

HYGENO IS ECONOMICAL!

One bag covers 100 sq. ft.—AND can be used over and over.

This ECONOMY feature is just one of the SIX FEATURES that make HYGENO POULTRY LITTER the best on the market!

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HYGENO POULTRY LITTER

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Boote's

Chicks—Famous For Egg Production

Get Boote's Chicks—bred from high producing strains. Prices $4.00 per 100 and up—3 weeks guaranteed livability. Popular breeds. U. S. Approved and Pullorum Controlled. Eggs hatched in modern sterilamp-protected hatchery. Chicks carefully sorted and promptly shipped. 100% live delivery. Boote's 22 years of experience is your assurance of satisfaction. Order Now! Free catalog.

BOOTE'S HATCHERIES, Inc., Worthington, Minnesota

Yours without extra CHARGE!

2 Weeks' Supply Feed with **COLONIAL CHICKS!**

Your choice of feed for ordering early! Leghorns, Rocks, Reds, Hampshires, Wyandottes, as hatched or sexed. Also hybrids and started. For 19 straight years MORE people have bought Colonial Chicks than any other kind! Big 4-color catalog FREE. COLONIAL POULTRY FARMS • DEPT. 924 • PLEASANT HILL, MO.

ZEELAND Hatchery POULTS

Amazing profits with Hamilton Strain super-Broad Breasts. Growers report 18 pound hens, 28 pound toms at 5½ months. Make 1949 your banner year—raise these super broad breasts for extra profits. Also Wagon Wheel strain broad breasts, White Hollands and all other breeds. Poults available for immediate and future delivery. Write

ZEELAND HATCHERY ZEELAND, MICH.

Thompson's Famous Chicks

Blood-Tested Barred, White Rocks, Austra-Whites, Leghorns, New Hampshires, Giants give you choice of breeds for egg or meat profits. Flocks improved by use of pedigree males from 200 to 300 egg hens. Day-old and started pullets. 100% live delivery guaranteed—losses over 2% first 14 days replaced. Write for folder, low prices, special offers today.

TILMER THOMPSON HATCHERY
Rt. 102 Elmore, Minn.

STOUFFER'S FAMOUS CHICKS

Pullorum controlled. Barred, White Rocks, Austra Whites, White Leghorns, New Hampshires, Giants. Catalog free. Immediate delivery.

STOUFFER'S HATCHERY LENA, ILLINOIS

HYBRID SEED CORN

Dependable varieties for all corn growing areas. Benton, Clinton, Minto Oats. Red Clover, Alfalfa, Sweet Clover, Hubam. Dealers wanted. 1949 catalog free.

JOSLIN SEED FARMS, HOLSTEIN, IOWA

Who Wants 30 Hens?

A COUPLE of issues ago, we reported the Purdue University contention that you need a big flock—at least 300 hens—to make good management pay off and show a real profit.

Otherwise, says Purdue, you ought to cut down to 30 — just enough for your own table.

Here's what one Iowa farm woman says about that theory:

To the Editor: My flock of 128 hens may or may not be paying for their keep. They are slightly over six months old, and are laying from three and a half to four dozen eggs daily.

They weren't raised by specialized equipment or management. They were raised by a farm wife's back-breaking labor — assisted by an old granary. 200 acres of wide open spaces, a few tin feeding troughs and one two-gallon waterer

The granary was their home until they were grown. Then they were housed in a dilapidated old hen house, where they now reside.

The pullets don't get scientific care. There is no electricity, and I don't suppose the landlady would consider a new insulated hen house.

But the eggs do get gathered frequently. They have to be, because I have only four nests. And as for careful and proper handling—of course, that's a "must." We dare not lose a single egg to make profit any less.

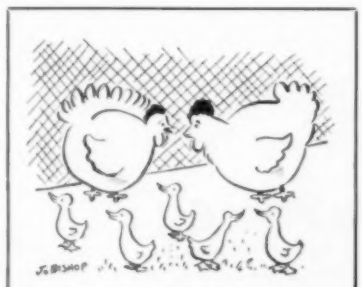
It could be that I'm wasting my time. I know that I have plenty of work waiting to be caught up. I try to take the place of a hired man and be the facsimile of a mother to four small children.

When I wasn't carrying feed and water to my chicks, I was well occupied with helping bring bales of hay from the field. In my "spare time," I canned over 400 quarts of fruit and vegetables.

By the way, I wish those Purdue people would quit suggesting that a farmer considers his wife's time of little value. My husband says I'm worth my weight in gold, and believes my time worth quite a lot—when I use it for his projects.

Maybe I don't get paid for my time, labor and feed. But my flock is staying put. No one is talking me into letting them go.

Who wants 30 hens? Right now with a flock of that size you wouldn't get enough eggs for the baby's breakfast. — Mrs. L. B., Jones County, Iowa.



"Somehow, it didn't turn out like I figured."

Your CHICKS Need GERMOZONE

TO PROTECT THE DRINKING WATER

Protect your costly investment in *Chicks*—be sure they have *pure* drinking water! For 50 years poultry raisers have had wonderful results with GERMOZONE, the economical, liquid medicine that spreads *quickly, evenly* through drinking water. GERMOZONE is safe to use in *Chicks'* drink *day* after *day*, yet is powerful enough to kill many disease germs like *Pullorum, Cholera* and *Typhoid. Chicks* like GERMOZONE in their water—drink it freely! Used in any kind of fountain. Get GERMOZONE right away!

12 oz..75c ½ gal..$2.50 1 gal..$4.50

BLOODY COCCIDIOSIS

causes 80% of CHICK Losses between 4 and 12 weeks

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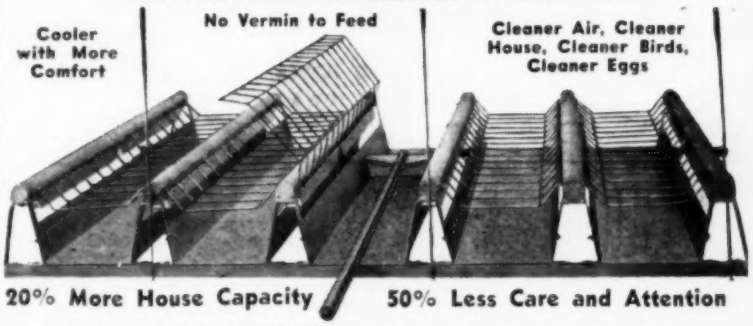

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On many farms, scours kill at least one pig in every three before weaning time. Prevent this loss. Use the Master Method!

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1 gal. $4.50, 2 gal. $8.50, 3 gal. $12.50, 5 gal. $19.50, 10 or more $3.75 per gal. Freight prepaid on orders of 3 gal. or more.

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WESTINGHOUSE MODEL T-1 AIR COMPRESSORS
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These are the finest, dependable all-purpose Westinghouse Air Compressors—at a ridiculously-low surplus price. **Can operate with ½ H.P. or more electric or portable gas engine,** and can be run off fan belt or power takeoff on jeeps, farm trucks, tractors, garage service trucks, contractors equipment, etc. Permanent oil-sealed bearings—delivers oil-free air—minimum maintenance. Operates in either direction when clutch is engaged. Suggested operating pressure 75 PSI. Width 9", height 11⅞", depth 6⅝", weight 23 lbs. Has 2" bore, 1½" stroke. Has standard connections for use with air storage tank. A multitude of uses, don't pass up this once-in-a-lifetime bargain price. **Complete Instructions & Installation Diagram Included**

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Study Billion-Bushel Corn Storage

Grain Men Say Bigger Stocks Would Stabilize Price, Help Stock Farmers

"IT scares some people to think of storing a billion bushels of corn in this country." That statement was made to members of the Farmers Grain Dealers Association of Iowa in annual meeting last week.

Oscar Heline, president of the association, made the statement in his annual address. He indicated that some farmers fear that so large an amount of corn in storage might depress the market.

"Storage will add to stability," Heline continued. "But it might not add to the total income from corn crops." This would mean, of course, that a billion-bushel storage would hold down runaway prices in short crop years and steady a falling market in big crop years.

George Bradley, regional director of the Commodity Credit Corporation, at Chicago, pointed out some advantages of big storage to the livestock producer.

"We must have a reserve to prevent liquidation of livestock in years of short corn crops like 1947," Bradley said.

Thus, if farmers could have drawn on reserve corn in 1947 to keep up livestock production, they would have had more livestock now to consume the big 1948 crop.

The speakers thought big storage capacity would help to stabilize the farming business for both grain and livestock farmers.

"New storage should be on the farm as far as possible," both Heline and Bradley emphasized. But they also agreed that if a billion-bushel corn storage is to be provided anyways near soon, we will have to take the storage wherever we can get it.

That means that terminals will have to be expanded, too. Heline suggested that the Farmers Grain Dealers might expand their big terminal grain elevator in Des Moines.

Bradley suggested that the CCC might have to take over a lot of corn next fall. He said it was possible that the market would not get up to the loan price by the time present corn loans and purchase agreements mature.

The CCC official expects that congress will authorize his organization to acquire more storage space than the present law permits.

At the business meeting, the members considered the matter of providing more storage space for grain. It was suggested that perhaps the Des Moines terminal could be expanded and more storage be provided at a new point in the state.

The members left it up to the board of directors to determine whether terminal storage space should be expanded, and where the storage warehouses should be built.

The convention passed a resolution favoring parity income for farmers, and recommending flexible price supports. The resolution stated:

"We believe it to be in the public interest that agriculture receive a parity income. There should be enough flexibility in price supports of farm commodities to allow whatever adjustments may seem necessary to maintain the proper balance between crops, or between crops and livestock."

The financial statement showed that the big cooperative grain department handled more than 19 million bushels of grain in 1948. Patronage dividends allocated to the member elevators amounted to $758,686.75.

Renamed president of Farmers Grain Dealers of Iowa is Oscar Heline, Cherokee county.

The patronage dividends for 1948 were deferred. But a total of $379,343.38 in 1947 deferred dividends was allocated to member elevators in cash.

All old officers and directors were re-elected for another term.

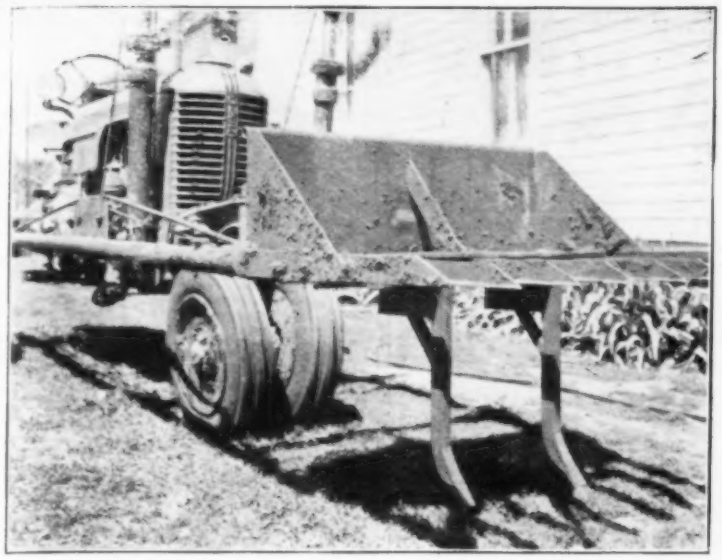
Officers re-elected were Oscar Heline, of Cherokee county, president; Milford Beeghly, Woodbury county, vice-president; Don E. Edison, of Des Moines, executive secretary.

Directors re-elected were Beeghly, Earl M. Dean, of Cerro Gordo county, and Albert Koolhof, Hamilton county.

Hold-over directors are Heline; Clint Daniels, of Hancock county; H. F. Toben, of Pocahontas county; O. E. Heider, of Carroll county; Fred W. Nelson, of Story county, and Clare O. Myers, of Grundy county.

Directors named by the Farmers Elevator Service Company are: Elden Anderson, of Pocahontas county; R. W. Jurgens, Palo Alto county, and P. Ben Atzen, Buena Vista county.

The Farmers Elevator Service Company meets in joint session each year with the Farmers Grain Dealers. The president of the Farmers Elevator Service Company, R. W. Jurgens, was also re-elected.



"Dig 'Em Up" is the name Oliver Tweeten, Winnebago county, Iowa, has given his rock booster. Tweeten says the prongs, attached to tractor loader bucket, boost boulders out in a hurry.

ACP Sign-Up Starts This Month

Program Is About The Same As In 1948, But More Payment Money Is Expected

THIS month, AAA committeemen will get started on the job of helping farmers work out plans for taking part in the 1949 agricultural conservation program.

Deadline for filling out and signing farm work-sheets is April 1—unless you acquire an interest in a farm after March 1. In that case, you have 30 days to sign up.

The ACP program this year will be much the same as in 1948. As in the past, your first important step is to make plans for earning conservation payments, and list these plans on your work-sheet.

Then your county committee will review your work-sheet and approve a practice plan for your farm. A notice of which practices, and how much of each, have been approved, will be mailed in time for you to get started on them this spring.

Once again you won't know for sure ahead of time just how large an ACP payment you can expect for your 1949 work.

For one thing, a total figure for the nation has yet to be set by congress. Also, the size of your payment depends partly on the amount of ACP participation in your county.

All you'll know this spring is the lowest amount it will be possible for your to earn this year. Later, it may turn out that you'll get more than this—if you follow thru on the necessary conservation practices.

Here's how it works: PMA officials in Washington have made an advance guess on the amount of payment money to be available for each state. For Iowa, it's around eight million dollars, or about twice the 1948 figure.

The state PMA committee now is in the process of breaking this down into advance guesses for each county. County committees will figure out how far their expected money will go if all approved practices are carried out.

That means that if the approved farm plans in your county add up to more payment money than your county committee expects to get, your "minimum assistance" will be scaled down to fit.

But here's the thing to remember: Even tho your county committee can't guarantee you full payment for all practices in your farm plan, you still may wind up getting paid in full.

That's because some of your neighbors may not carry out enough practices to earn their share of the money.

What practices can you carry out to earn payments? The answer is different for each county, because each county committee makes up its own list from these possibilities: Terracing, contouring, strip-cropping, grass waterways, drainage ditches, livestock ponds, gully dams, seeding of steep slopes or permanent pasture, tree planting, noxious weed control, liming, fertilizing and green manuring.

Each county committee also may set up one local practice not on the above list.

Expand Soil Testing Service In Iowa

Iowa State College and the Iowa branch of Production and Marketing Administration will work together in some counties to provide increased soil-testing service.

County AAA men will collect samples, fill out the information sheets, collect the testing fee and send the samples to the college. The college laboratory will test the soil, make recommendations.

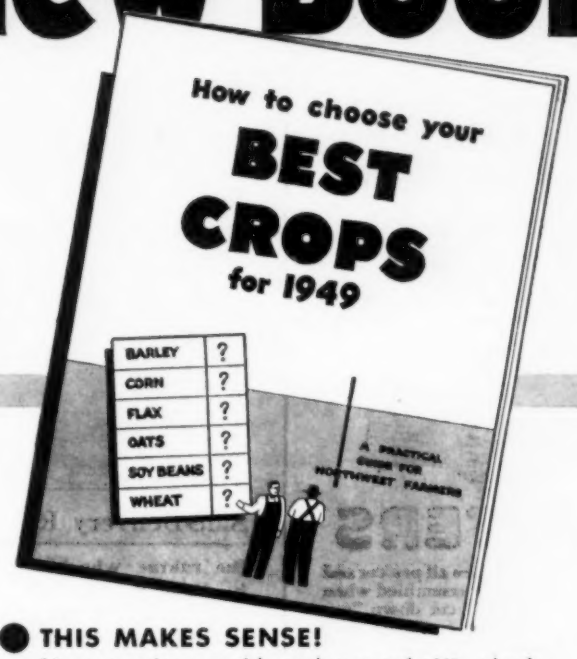
AAA men will advise with farmers after the tests have been completed.

Plans are being made to expand the ISC laboratory to handle 30,000 to 40,000 samples per year. As soon as volume is sufficient, it is planned to establish district labs.

Plans already have been approved to employ district agronomists in two eastern Iowa areas.

SEND FOR THIS IMPORTANT

New Book



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YOU CAN SAVE DISKING TIME—Chop stalks, stubble, pasture weeds and brush faster, easier, better with new PIONEER MOWER and SHREDDER. Here's why:
SPECIAL TOOL STEEL BLADES—Extra sharp and extra heavy whirling at 1,400 RPM's chop heaviest stalks, trash, brush, stubble to bits.
GETS EVERYTHING IN ROWS — BETWEEN ROWS—Horizontal blades cut closer to ground . . . suck up stalks, trash, weeds in rows, between rows.
EXTRA HEAVY CONSTRUCTION—Built for hard use. MOUNTED ON TIMKEN BEARINGS—For easy draft. SAFE—Whirling Blades completely covered. A.S.E.A. STANDARD 3-JOINT POWER TAKE-OFF DRIVE. MAKES GOOD PLOWING EASIER—Permits plow to bury corn borer as recommended by U.S.G.A. Order now for spring delivery.

SPECIAL DEMONSTRATION OFFER! Write today!

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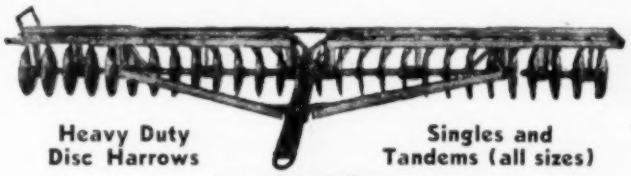

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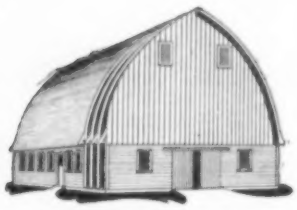

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trusses and arches are all pre-cut and drilled, ready to be assembled when you get them. They cut down "on-the-job" fitting, go up faster, save construction cost.

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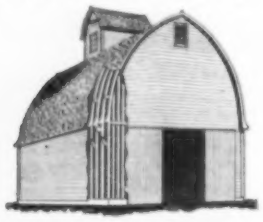
sturdier, longer-lasting barns, hog houses, cribs and granaries, poultry and brooder houses, garages, machine sheds, utility buildings. RILCO laminated wood construction eliminates interior posts and braces, gives you more usable room.

BETTER

get in touch with your lumber dealer now. He can help you decide which types of RILCO farm buildings you need, or write to address below.



FARM

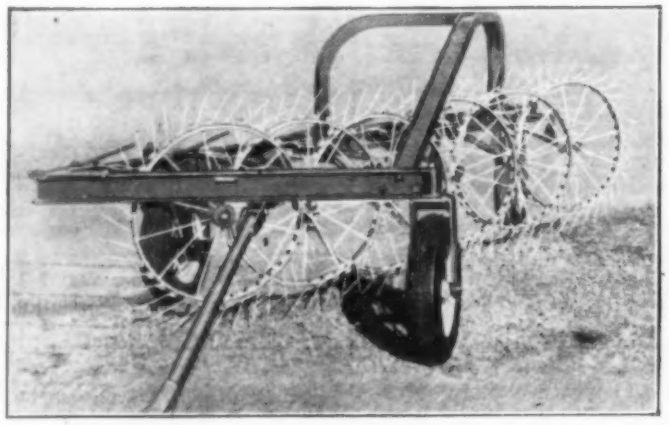
operators all over the country say RILCO buildings are easier to build, better looking, more practical and economical than any others they've ever built. We think you'll think so, too.

BUILDINGS

RILCO WORKS WONDERS WITH WOOD

Laminated PRODUCTS, INC.
2581 FIRST NATIONAL BANK BUILDING
SAINT PAUL 1, MINNESOTA

What's New?



Side-Delivery Rake has no power take-off or gears. The crop to be raked automatically turns the raking wheels. Six sturdily built wheels, each 36 inches in diameter, rake the hay. Wheels are suspended on floating axles. Said to rake hay at high speed with little agitation to cause loss of leaves. Manufactured by Automatic Industries, Inc.

Make a Rug a day with the aid of Nu-Flex Material Folders. All that it is necessary for you to do is to prepare the strips and then slip the material thru three metal clips. You'll not need to do any more hand turning. Material Folders are manufactured by the Nu-Flex Corporation.

Milk-Can storage is made easy by this milk-can rack. Cans are held upside-down. Sanitary rack needs only four bolts for installation. The racks range in length from 43½ to 85½ inches. The smallest size will hold six cans. The Sani-Rak is manufactured by the Dairy Equipment Company.

New Stalk Cutters are being made for present-day needs. Here are two models that grind up the stalks to kill at least part of the borers and make the stalks plow under cleanly. The top machine is made by Coats Loaders and Stackers Company. The lower picture shows a machine made by John Deere. Both of the machines drive from the power take-off.

SOMETHING NEW!!!
SOMETHING DIFFERENT!!!

Just what you have been asking for!

We have been able to purchase large stocks of A-1, fresh caught, fancy frozen fish at a saving, and we are going to pass this saving on to our many satisfied customers. Here is how it will be done. On any order of 50 lbs. of fish, or more, WE WILL PREPAY THE EXPRESS CHARGES to any point in the states of Minnesota, Wisconsin, Iowa, North Dakota and South Dakota.

Send us your check or money order at the prices listed below (they are the same as in our 1948-1949 catalog on which you had to pay express charges). Now your fish will be shipped to you **WITH THE EXPRESS CHARGES TO YOUR NEAREST EXPRESS STATION, PAID BY US.** This offer is good for a limited time only, so take advantage of this great saving in both money and trouble.

All orders for 50 lbs. or more are packed in insulated wooden boxes, with DRY ICE.

WE GUARANTEE our fish to arrive in excellent condition.

Prices per pound express prepaid on 50 lb. lots or over

Dressed and Headless

Rockfish (Red Cod)	22c
Red Salmon	46c
Flounders	24c
Halibut	41c
Black Cod (Sable Fish)	23c
Haddock	26c
Northern Pike (Pickerel)	25c

Dressed Fish—Heads On

Walleyed Pike	37c
Lake Superior Trout	55c
Bluefin Herring	15c

Scaled, Dressed and Headless, Ready for the Pan

Walleyed Pike	46c
Ocean Pike	24c
Bluefin Herring	20c

Fillets (Boned and Scaled)
5 lb. Pkgs. . . . Cello Wrapped

Walleyed Pike	67c
Northern Pike	42c
Bluefin Herring	33c

Ready to Eat Smoked Fish
5 or 10 lb. Cartons

Smoked Whitefish	45c
Smoked Herring	30c
Smoked Salmon	70c
Smoked Black Cod	60c
Smoked Trout	70c

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Engine heat keeps you warm in spite of rain, snow or sleet!

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DISTRIBUTORS FOR TRACTOR COMFORT COVER HEATER

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MIN-A-LAK a yeast mineral supplement with all major and trace minerals

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- Adaptable to all plows. Clamp on coulter shank.
- Can be used either right or left as recommended by Iowa State Agricultural College, Ames, Iowa.
- Lowest priced single blade disc coulter on market
- Bearings set wide apart for extra strength.
- Uses standard disc blade.
- Plus coils 14% lighter with Diskolter on right; 33⅓% lighter on left.

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When writing factory please give your dealer's name and address

CALHOUN MFG. CO., Inc. Cedar Falls, Ia.

Buy U. S. Savings Bonds TODAY!

Major Events This Month

Two major events of interest to Iowa farmers are on the calendar for February. One is Farm and Home Week, at Ames, February 14-17. The other is the National Farm Institute, in Des Moines, February 18-19.

Topping the Farm and Home Week program will be general sessions at 3 p. m. daily. Speakers will be:

Monday, Dr. L. L. Dunnington, Iowa City minister; Tuesday, John Strohm, associate editor of Country Gentleman; Wednesday, Dr. Byron T. Shaw, deputy research administrator in the USDA; Thursday, Allan Kline, president of the AFBF.

Morning and afternoon group meetings will dig into specific problems.

Here's the schedule:

Monday: Fly and weed control; spray equipment.

Tuesday: Crop drying; conservation machinery; corn growing; swine production; rural organization; horticulture.

Wednesday: Farm buildings, welders; wiring; small grain; fertilizers; dairy; horses, poultry, and sheep.

Thursday: Forage crops; soil conservation and management; beef cattle; farm outlook and price supports; schools; rural organization.

This year's National Farm Institute program is built around the theme, "American Agriculture in World Affairs." Headliners on the speaking program include:

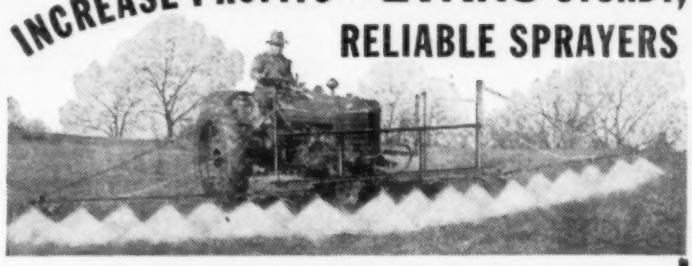
Friday, Feb. 18: Allan Kline; D. A. FitzGerald, of the Economic Cooperation Administration (Marshall plan); Wallace Bennett, president of the National Association of Manufacturers; William Stead, of the St. Louis Federal Reserve Bank; Winfield Riefler, a Federal Reserve System official.

Saturday, Feb. 19: Agriculture Secretary Charles F. Brannan; Howard Tolley, of the UN's Food and Agriculture Organization; Kermit Eby, former CIO official; Clarence Francis, General Foods board chairman; an outstanding foreign policy leader to be announced.

Institute panel discussions on Friday will cover farm price supports, world trade, soil conservation and food production. Saturday panels will deal with dollar shortages, nutrition, farmer-labor relations.

"That settles it—we'll terrace. This makes twice you have fallen out of that field."

INCREASE PROFITS with EVANS STURDY, RELIABLE SPRAYERS



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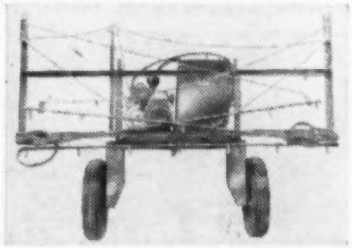
EVANS TWO-WHEEL ADJUSTABLE AXLE ROW CROP SPRAYER

Engine Model with 2-wheel Trailer
60 gallon tank, 2.3 HP engine . . can be used on trailer or as skid for many spraying jobs around the farm. Illustration shows sprayer with boom mounted and folded.



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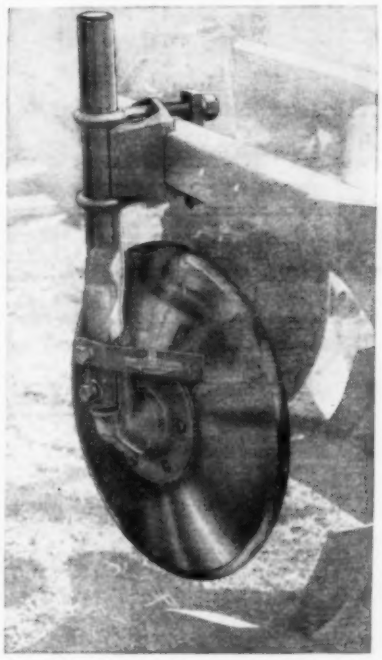

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Fits any plow—quickly installed, easily adjusted.
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Vicious slicing action cuts heaviest growth.
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Excellent coverage of cornstalks, bean straw, heavy virgin sod, and other conditions.
Reduces draft over use of ordinary coulter and jointer.
Heavy duty construction.
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Will Pay for Itself in One Year

Equipped with two horizontal 40" cutting blades. Will operate on frozen ground and shred any crop residue.

Timken bearing equipped gear box. ● Timken bearing equipped cutter spindle. ● Triple universal joint drive permits sharp turn. ● Four-ply pneumatic tires. ● Roller bearing wheels. ● Hardened gears running in oil. ● 90-day guarantee.

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DUMP ANY LOAD
IN 12 SECONDS . . . EASILY!

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CENTURY FEATURES: Proven hydraulic design. Low mounting height. Boxed section subframe. Heavy channel long beams. Rugged double arm design. Smooth roller hoist action. Hydraulic pump operated by power take off on truck engine.

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Fortify your ration with MIDWEST MINERALS OR CONCENTRATES. Rich in vitamins and minerals, prevent anemia. Write for information.

Be a farm dealer. Buy your mineral and proteins at a discount and sell your neighbors.

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CHAMPION PORTABLE MILL
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This 100 H.P. machine has extra large capacity on fine or coarse grinding. Quick delivery, new or rebuilt units with ground level automatic feeder. Will lease complete unit to reliable men without investment or expense. Buy later if desired.

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A WALLACE-HOMESTEAD POLL

How's Your Score On Worry, Prejudice?

"I Like to Put the Blame Where It Belongs, And It's Never Me," Says Tama County Man

WOMEN worry more than men. Older people worry more than young ones.

It doesn't matter much how long you went to school. Or whether you own or rent.

The Wallace-Homestead Poll inquired: "Do you find you worry more than most people, or less?"

Nearly 80 per cent said they worried less than most, or about the same as most.

Another question was: "When things go wrong, do you blame yourself or somebody else?"

Most Iowa farmers were slow to blame other people. An Appanoose county farmer said: "When things go wrong, we try to find the causes, not the culprits."

A farmer in Union county declared: "When things go wrong, it's often just 'one of those things,' not anyone's fault."

But a Bremer county farmer suggested: "I think it's human nature to blame someone else."

And a humorist in Tama county said: "I like to put blame where it belongs, and it's never me."

An earlier report in Wallaces' Farmer and Iowa Homestead pointed out that some people who were inclined to worry a good deal and to blame others for troubles were also inclined to show prejudice against religious and racial minority groups.

On the question of whether any group was getting too much economic power, 18 per cent of the Iowa farm people pointed to Jews. Smaller percentages pointed to Catholics, Protestants, Negroes.

An Adair county man said: "Jews are trying to get power, but I'm not sure that they are getting it."

And a farm woman in Bremer county declared: "Jews are becoming the wealthy people in this country. They own all the big businesses in the east."

An Audubon county man said: "I wonder if it is best for the nation as a whole to see so many Jews gaining control of most of the leading business concerns."

(Fortune found that of 420 listed bank directors in New York City, only 30 were Jews. Of 80,000 directors of American corporations, only 4.8 per cent were Jews.)

A farmer in a northeastern county objected to discrimination against Negroes. He said:

"We have a neighbor—a Negro of good character—who has gone on several fishing trips with white friends. The owner of the camp where they were staying asked the white men not to bring the colored man again. I don't like that."

A Bremer county man said: "I think parochial school children should be allowed to ride on public school buses. I pay taxes on those buses. Why shouldn't my children ride on them?"

A young colored woman declared: "I do not think religious groups are treated unfairly, because they can worship as they please. But if you belong to a minority group, you must expect to be discriminated against. It is not as bad here for colored people as it is in large cities."

But a Chickasaw county woman said: "I think that any group deserves the kind of treatment it gets. If its members behave themselves as they should, they'll be treated all right."

An older farmer in Franklin county commented: "I think there are some religious groups that are not treated right. In the first years of the war, in my home town, there was a group called Jehovah's Witnesses, if I remember right. People ran them out of town. Now this is a free country, and I think any religious group should be left alone."

When farm people worry, what do they worry about? The problems which received most attention among the farm people interviewed were these: More money, family problems, farm management questions.

Younger farmers worried most about how they could get more income; older ones had health more on their minds.

Whom Do You Usually Blame?

THE WALLACE-HOMESTEAD POLL ASKED:

"By and large, when things go wrong, do you find you blame yourself or blame somebody else for it?"

	Total	Men	Women
1. Blame yourself	46 pct.	46 pct.	47 pct.
2. Blame somebody else	46	22	18
3. Blame circumstances	12	14	11
4. Not sure	22	18	24

Mixing NITRAGIN inoculation with legume seed is no more bother than stirring up a batch of feed. Yet it pays off big by boosting yields and saving soil fertility. NITRAGIN gives legumes extra vigor, "ups" their protein content . . . costs only a few cents an acre. Inoculate all legumes with NITRAGIN. Get it from your seedsman.

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ROTARY HOE

FASTER and CLEANER
START FOR YOUR CROPS

"Cross cut" sawtooth action pulverizes soil and kills weeds in early row and field crops. Cultivates 80 to 120 acres per day with 2 plow tractor. End to end flexibility gives 100% coverage. Outer sections fold in for transport through gates. Built extra heavy for long, trouble free use. Write today for free circular.

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Winpower Mfg. Co. NEWTON IOWA

NOTHING ELSE IN THE WORLD LIKE IT FOR SPEED IN MOWING..

NEWTON
POWER MOWER

The entirely different mower simply designed to give years of trouble-free mowing service.

You haven't seen a mower until you have seen the Newton Power Mower that can be backed up and attached in three minutes. No tools needed for attaching . cuts full swath . operates easily on all types of terrain . . safely controlled from the driver's seat and fully visible . compact for easy moving and storing . . . all welded-steel construction with minimum wearing parts. Write today for complete details.

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MODELS FOR: FORD AND FERGUSON-CASE. LEADER-CUSTOM AND JEEP.

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KOROK SILO
IS FAMOUS
FOR LONG LIFE

Copper bearing steel . . . asphalt mastic . . . vermiculite . . . California Redwood . . . vitrified shale tile . . . are a few of the reasons. For the complete story, send for the *free* KOROK SILO booklet.

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NEW HIGH SPEED CHAIN SAW

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BUY U. S. SAVINGS BONDS NOW

FROZEN FRESH FISH

As fresh as tho you caught them

Guaranteed *Skipper Sam* Quality

Packed with dry ice to keep frozen
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Order this Special Assortment—Today
All Dressed and Headless Fish—No Waste

10 lbs. Flounders
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THIS WEEK 50 Lbs. $11.00

DOUBLE OF EACH KIND—100 lbs. $20.00

FISH STEAKS . . . 25 Lbs. . . . $11.25
5 lbs. of each kind . . . . Sliced Halibut, Salmon, Sablefish, Steak Cod, Rockfish

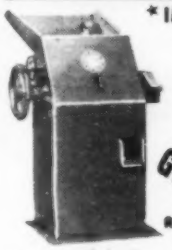
SMOKED FISH — Ready to Eat
(5 lbs. in cartons)

WHITEFISH ..... $2.00 SABLEFISH $2.90
CISCOES ..... $2.25 SALMON $3.25
5 Lbs. of Each Kind . . . $9.50

Order a fast EXPRESS shipment of these GUARANTEED FISH today . . . Write for complete price list and new Fish Folder. Over 50 listings fresh caught Lake and Ocean Fish.

SAM JOHNSON & SON'S FISHERIES, Inc.
Wholesale Fishermen Since 1897
DOCK 5 DULUTH 2, MINNESOTA

FEED *Fresh* ROLLED GRAIN



* IMPROVE DIGESTIBILITY
* ELIMINATE WASTE
* CUT FEED COST

Farnam "FARM-SIZE" GRAIN ROLLER

ROLLS CRACKS CRUSHES ALL SMALL GRAINS

AVOIDS DUSTING!

Cut your feed bill up to 50%! Improve feeding results! Every bushel of rolled feed produces more growth, more meat, more milk. Animals prefer coarser, dust-free, easily digested rolled grains, and eat it more readily. Rolling eliminates waste and digestive disorders due to dusting . . . requires less power, less labor, less time. With a low cost Farnam "Farm Size" Grain Roller you can roll grain as you need it and feed it fresh rolled, full of nutritive value.

10-DAY *Free Trial Offer!*

Try the Farnam "Farm Size" Grain Roller at our risk! Write for descriptive literature and details of our 10 DAY "Free Trial" offer.

FARNAM *Equipment Co.*
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Ideal WIRE FENCE STRETCHER $2

Handiest new tool you ever owned. A dandy for tightening wire around fence post. Replaces block and tackle for short stretches.
Leaves hands free to drive staples.
Built right—will last a lifetime.

Mail $2 today.

Frank RUSCH NERSTRAND MINNESOTA

The BEAR CAT *Combination* GRAIN and ROUGHAGE MILL *Also* ENSILAGE CUTTER

Grinds any feed—green, wet or dry. This feeder really takes in loose roughage, bundles or bale flakes and no monkey business about it. Large capacity guaranteed with ordinary farm tractor. Grinds grain, ear or snapped corn with roughage or separate. Has cutter head and swing hammers. Get full information on this real honest-to-goodness Grinder. Write

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EASIER • FASTER • PRECISE VACCINATION

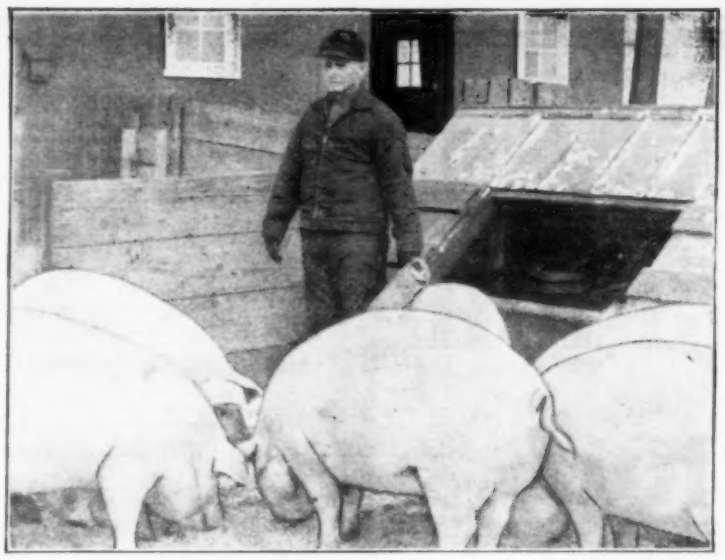
SWANSON VACC-OMATIC TRIGGER-TYPE VACCINATING GUN

ONLY $13.95 PREPAID

Syringe fills to 40 cc. Sets to any size dosage. Insert needle, pull trigger, and move to next animal. Operates with one hand. Save cost on one small herd. $13.95 prepaid if money with order. Money back if not satisfied.

PIERCE PRODUCTS COMPANY
BOX 4040-WF SOUTH BDWY. STATION, DENVER, COLORADO

U. S. SAVINGS BONDS ARE SAFE



Second Man from Tama county's Howard township to be honored as an Iowa Master Swine Producer is William Bartling. His Chesters are from lines bred by Irvin Hagedorn, a 1947 winner.

SERVICE BUREAU

$50 REWARD — WALLACES' FARMER SERVICE BUREAU

The Sign of Protection

Fine For Selling Bad Seed

To the Editor: I bought some brome grass seed. Analysis showed the seed contained 26 per cent inert matter plus 4 per cent weed seeds, such as wild lettuce and horse-nettle. Can I force reimbursement for the amount paid for the seed?—C. B., Clayton County, Iowa.

It is illegal for any person to sell such seed, knowing it is to be used for seeding purposes. The penalty is a fine of not more than $250. It is the duty of the Department of Agriculture to institute proceedings to enforce the law.

In addition, you would have the right of civil action against the seller for the price of the seed.

Can Others Close Farm Lane?

To the Editor: We have used a quarter-mile line from our farm for 24 years. This past fall, we found out another man held deed to the lane, and he sold it to a third party. Can they close the lane?—R. S., Van Buren County, Iowa.

If you have used this lane for a period of 24 years, you have acquired the right to use it permanently. If anyone undertakes to close the lane, your recourse is an injunction suit to stop him.

NO ADDRESS

Sixteen persons have sent Wallaces' Farmer and Iowa Homestead money for bulletins and pamphlets. But we can't fill their orders, and we can't return their money.

They forgot to include their names and addresses.

So please make sure your name and address are included when you write in for a bulletin or for information.

Landlord Need Not Furnish Water

To the Editor: The well on our place went dry. We have had to haul water for the stock. Can we hold the landlord responsible?—A. W., Butler County, Iowa.

Unless your lease contains some provision to this effect, the landlord would not guarantee a complete supply of water for the farm.

There is nothing in the law of Iowa which compels a landlord to furnish water for the farm in absence of a provision in the lease or agreement by the landlord.

Fair Charge For Bin Room?

To the Editor: What would be a fair charge for furnishing bin room for corn and small grain for several months?—J. S., Dallas County, Iowa.

Depreciation on a crib or granary generally runs from 4 to 10 per cent of the original cost. So, if you charged 10 per cent of the cost of the crib for a year's use, that would take care of depreciation and should leave some profit for you. If a crib cost $3,000, the charge would be $300 for a year's use.

If only half the crib were used, the charge would be $150. If half the crib were used three months, or one-fourth of the year, the charge would be one-fourth of $150, or $37.50.

Can't Deduct Cost Of Travel

To the Editor: For income tax purposes, can you deduct expenses of traveling to your job daily?—H. S., Saline County, Nebraska.

You can't deduct the cost of travel to your job. That is considered a personal rather than a business expense, as you could choose to live nearer the place where you work.

HERE'S ONE COST YOU CAN CONTROL with a Federal Land Bank

4%* FARM LOAN

Every farmer knows it costs more to operate than it did a while back. One cost you can keep low is the interest cost on the loan that finances your land.

The general trend of interest rates is up—but the 4%* rate you get on a Federal Land Bank loan today is guaranteed never to be higher for the entire life of your loan . . . which may run as long as 40 years.

*(DIVIDENDS from your National Farm Loan Association actually make your net cost *less* than 4%.)

LAND BANK LOAN IS FLEXIBLE

You have this LONG TERM protection . . . but you can pay off in full any time from farm income without penalty.

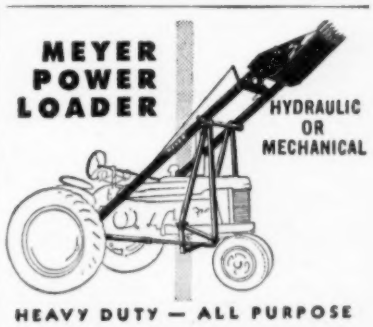
To BUY LAND, MAKE MAJOR IMPROVEMENTS, REFINANCE DEBTS, and other purposes . . . get a 4% Federal Land Bank loan and be safe.

For details, see your local National Farm Loan Association. For address, write Dept. 12, Wallaces' Farmer, Des Moines 5, Iowa.

NATIONAL FARM LOAN ASSOCIATION — Federal Land Bank Loans — Long-Term — Low Interest Rates

Your 100% Farmer Owned Cooperative Guides the way to SAFE FARM LOANS

MEYER POWER LOADER



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HEAVY DUTY — ALL PURPOSE

Choose the type you prefer—both are rugged, dependable, fine-performing . . . for digging, moving, lifting. Easily attached to any tractor. 1 ton capacity. Easily controlled from seat. 6' dozer blade interchangeable with scoop. *write for facts* — send for free circular describing both farm-tested Meyer Loaders.

THE MEYER MFG. CO., Box 565 Morton, Ill.

Makers of famous MEYER ELEVATORS

KELLY'S SEEDS GROW

KELLEY'S HIGH YIELDING

HYBRID CORN

Processed in the second largest corn plant in the world with best equipment we can buy. 38 years experience producing high yielding seed corn. 14 varieties $5.00 to $10.00 bushel freight paid.

Certified Hawkeye soy beans $6.00 bushel. Also all other kinds of field and garden seeds at lower prices. Send for new free descriptive catalogue.

KELLEY SEED CO.
PEORIA, ILL. SAN JOSE, ILL.

BUZZMOBILE CUTS WOOD LOT COSTS

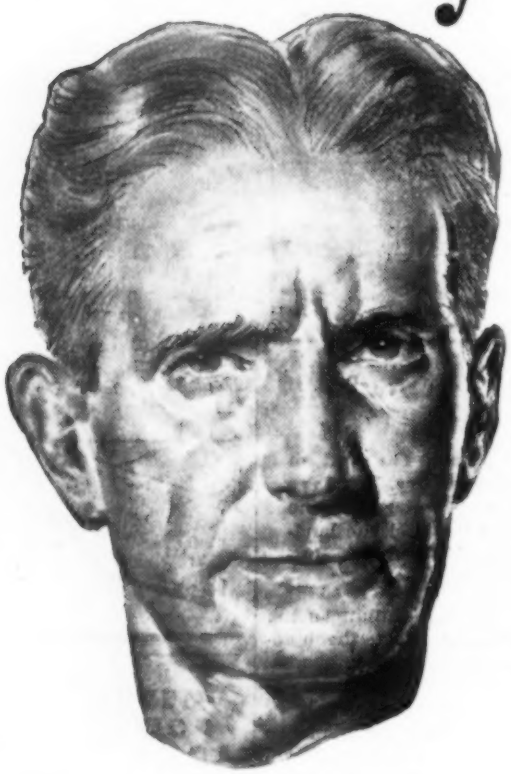
Nothing else like it! Sturdy all-steel power circular saw fells trees, clears brush, saws limbs, cuts wood. Lowest price by far. Write for details.

$149.50 complete with engine

ROCKLIN MFG. CO. SIOUX CITY 7, IOWA

TRACTOR PARTS Guaranteed New, Used Tractor Parts for most makes. 1949 Catalog FREE. Write RELIABLE TRACTOR PARTS CO., Hastings 26, Nebraska, or Box 777, Sioux City, Iowa.

I've got a long memory



And it's telling me now to build up my backlog of U. S. Savings Bonds . . .

"No amount of prosperity can make me forget there are still lean years. I'm guarding against them and doing the smartest thing for the present, too, when I buy 'E' Bonds.

"I've had just about one of my best years. With more money coming in I figure it's a good chance to buy *more* Bonds.

"$4 for $3 at maturity with the U. S. Government behind the deal—you can't beat that these days for an investment.

"My backlog is going to come in mighty handy . . . for land or improvements later . . . for the kids' college education . . . and someday I'm going to want to quit work. And it's good to know, too, I'm not only helping myself when I buy Bonds, I'm helping my country!"

Ask your Bank about the new Bond-a-Month Plan.

Protect your future

Buy and hold

U. S. SAVINGS BONDS

Farm News Briefs

EXPORT OF CORN from last fall's record harvest will add up to about 131 million bushels, says the USDA. That's about as much as was shipped abroad in 1946-47. Exports last year dropped to 11 million bushels because of a short 1947 crop.

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BATHROOMS in farm homes more than doubled in number between 1940 and 1947, reports the USDA. More than a million farmers put running water in their houses during that time. But two-thirds of the nation's farm homes still are minus running water, and four-fifths of them lack modern bathrooms.

▲ ▲ ▲

SEVEN BILLION DOLLARS has been spent by American farmers since 1940 in modernizing and replacing homes and other buildings. The improvement in living standards and farm machinery now is going on at the rate of a billion dollars a year.

▲ ▲ ▲

SIX MILLION man-days of time and $11,000,000 in doctor and hospital bills is the price U. S. farmers paid for accidents in just the first four months of 1948. Main causes of farm accidents were, in order: Falls, animals (mostly horses and mules), automobiles and trucks, farm machinery.

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SCHOOL LUNCHES under a joint program of the USDA and State Department of Public Instruction now are being served in 875 Iowa schools. Every Iowa county except Monroe is participating in the program.

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IOWA FARM LAND prices continued to climb last year—another 9 per cent. They're now 113 per cent from 1935-1939 figures. But still only 72 per cent of the 1920 peak.

▲ ▲ ▲

MASTER FARMER Otto Schultz, 76, of Poweshiek county, Iowa, died January 4, after a long illness. He was named a Master Farmer in 1928.

▲ ▲ ▲

FOR THE FIRST TIME in history, Iowa and its counties, towns and other taxing units are getting less than half their revenue from property taxes, reports the Iowa Taxpayers Association. The change came in 1947, when the property tax provided only 49.4 per cent of the total. Last year, it was 48.2 per cent. The property tax still has gone up, but other taxes have risen much faster.

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IOWA'S CAMPAIGN to help Europe thru the Christian Rural Overseas Program (CROP) has rounded up $636,000 in cash, grain and other products. Translated into carloads of corn, this puts the state well over the drive's 300-car goal.

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IOWA DAIRY COWS turned in a production record last year which was the lowest since 1937. December production was lowest since 1935, and milk cow numbers in the state—1,121,000—were the smallest since records were started in 1930.

GRAIN EXPORTS in the last half of 1948 totaled 338,380,000 bushels, reports USDA. This is about 10 million bushels more than were shipped out during the same period in 1947. More than three-fourths of the total was wheat, wheat flour and macaroni products. Forty per cent of the total went to the U. S. occupied zones of Germany, Japan and Korea.

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IOWA TURKEY growers, happy over prices received in 1948, have told the Iowa Crop and Livestock Reporting Service that they expect to boost 1949 production by 46 per cent. For the nation as a whole, a 25 per cent increase is expected.

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A PROBABLE new world's record of 224.2 bushels of corn per acre was raised last year by Carroll Brown, Mahaska county, Iowa, in the state's official 10-acre contest. Brown's corn was power drilled in rows 36 inches apart, and was treated with DDT to control borers. The contest field, which had been in blue grass for 55 years, was spring plowed and fertilized with 200 pounds per acre of 0-45-0.

▲ ▲ ▲

FORMER IOWA Governor Nels Kraschel left his position as general agent of the Omaha Farm Credit Administration, January 31, when the post was discontinued as a full-time job. Kraschel plans to devote his time to farm, feed and auctioneering interests in Audubon county, Iowa.

▲ ▲ ▲

NEW MEMBERS of the Iowa advisory committee of the Farmers Home Administration are: Mrs. Edith A. Chester, Butler county; Harold E. McCord, Crawford county; Donald C. Travis, Madison county. Six other committee members were reappointed.

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SHOWING the grand champion fat cattle carload at the National Western Stock Show, in Denver, for the fifth straight time were Karl and Jack Hoffman, Ida county, Iowa. The champions sold for $48 per hundred pounds.

▲ ▲ ▲

DR. GEORGE F. STEWART, associate director of the Iowa agricultural experiment station at Ames, has received a $500 award from the Poultry and Egg National Board for his research on egg drying and freezing and storage of poultry products.

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COMING EVENTS: Feb. 8, Minnesota-Iowa Swine Institute, Austin, Minn. (high school); Feb. 11-13, Iowa Rural Youth Assembly, Ames; Feb. 14-17, Iowa Farm and Home Week, Ames; Feb. 15-17, National Association of Soil Conservation Districts, Denver; Feb. 18-19, National Farm Institute, Des Moines (Hotel Fort Des Moines); March 10, National Pasture-Forage-Livestock Conference, Omaha (stockyards); March 10-11, Farm Forum, Minneapolis (Hotel Radisson); March 11-12, Iowa State Spring Market Hog Show, Cedar Rapids (Hawkeye Downs); March 18-19, Minnesota State Spring Barrow Show, Albert Lea.

LIVESTOCK NEWS

The Tri-State Shorthorn Breeders attracted a large attendance at their ninth annual show and sale, held at Sibley, Iowa, January 11. The top 50 head sold for an average of $452, which saw the top 40 bulls walk thru the ring at a $457 average, and the top 10 females at $433. Gilbert Elken, Jr., Mayville, N. D., judged the show, and found strong classes thruout. Clyde Palmer, Harris, Iowa, swept the high awards of the show, winning champion and reserve champion bull and champion female. The two champions were sired by the Palmer herd sire, Edellyn Clipper Mercury. A partnership of breeders—Cecil Olson & Sons, Lakefield, Minn.; Harry Rosenbrook & Sons, Jackson, Minn., and Wm. Schneider & Son, Jackson, Minn.—paid $900 for the champion bull. Otto Bros., Hartley, Iowa, paid $675 for the Palmer reserve champion bull, sired by Klaymor Idol. Dewar Bros., Cherokee, Iowa, consigned the high-selling bull of the sale, an impressive roan coming two years old, that won his class and pushed the champion very hard for the top award. This good son of Curtiss Candy Mercury 2d sold for $1,000 to N. W. Schonemann, Bingham Lake, Minn. H. N. Harrison, Washta, Iowa, purchased the champion heifer for $525. He also paid this figure for the reserve champion female, which was consigned by Gus Anderson, Hartley, Iowa, she being a daughter of Don Hill Mercury. Top-selling female sold to Otto Johnson, Lohrville, Iowa, for $610. This 10-month-old daughter of Don Hill Mercury was consigned by Martin Luinstra, of Harris, Iowa. The 49 bulls sold for an average of $410, with the 34 females averaging $326, making a general average on the 83 lots of $377. J. E. Halsey was the auctioneer.

The Polled Shorthorn dispersion sale of the herd of Otto Johnson, Lohrville, Iowa, together with a draft of 13 head from the herd of G. W. Zinnell & Sons, Rockwell City, Iowa, was held at Carroll, Iowa, on December 3, with the largest gathering of breeders of Polled Shorthorns which has been brought together in any one sale in the west. Early in the day, it became apparent that this was going to be a great sale, as people came from everywhere, and everybody seemed to want cattle. It was a great lot of cattle, and in fine condition. The first animal sold was Browndale Monarch, the yearling herd bull of Otto Johnson, and he is a real bull. He had almost everything to recommend him to buyers who were looking for a herd bull of his make-up. In the first place, he was a nice red in color, was as nearly perfect as you ever find them, and his breeding was everything that could be desired. He started at $500, and in a few minutes went to $6,200, to Clement Hade and Hade Bros., Harcourt, Iowa. There were several of the leading Polled Shorthorn breeders in on this bull, but it finally lay between George Durer & Son, of Waverly, Ill., and the Hade Bros. He was the most sensational Polled Shorthorn bull that has been sold in a long time, and we question whether there has ever been a better one. Another great bull sold in this sale was Collynie Pride, that stood at the head of the G. W. Zinnell herd. This was a good individual and a great breeding bull, as his get demonstrated in this sale. He went to H. Miles Torgensen and Gilbert Miller, of Aneta, N. D., at $1,050, and he really was a great bargain at that price. Murer Bloom, Terril, Iowa, took No. 2 at $750; No. 3 went to Corse Bros., Carson, Iowa, at $500; No. 5 to Albin Hook, Auburn, Iowa, at $315; No. 6 to Joe B. Wiseeus, Dedham, Iowa, at $350; No. 7 to J. J. Walsh, Coon Rapids, Iowa, at $340; No. 8 to George Hand, Emmetsburg, Iowa, at $350; No. 9 to Miles & McClure, State Center, Iowa, at $375; No. 10 to B. O. Rue & Son, Lakefield, Minn., at $310; No. 11 to Lueschen Bros., Panama, Iowa, at $350; No. 12 to George Duer & Son, Waverly, Ill., at $500; No. 59 to H. Miles Torgensen and Gillman Miller, Buford, N. D., at $1,050; No. 60 to Vern Hintz, Denison, Iowa, at $400; No. 61 to Reuben Johnson, Palmer, Iowa, at $360; No. 62 to R. H. Pitcher, Aurelia, Iowa, at $375; No. 63 to Otto Krittow, Rockwell City, Iowa, at $350; No. 64 to I. G. & W. E. Jessup, Union, Iowa, at $400; No. 65 to Chas. Peterson, Pocahontas, Iowa, at $300. The 19 bulls sold for $14,285, an average of $751 per head. The 48 females sold for $21,530, an average of $478, and the 67 head sold for $35,815, an average of $535. We are listing the females that sold for $300 and above: No. 13, Earl Ferguson, Laurens, Iowa, $470; No. 14, Delmar Bartles, Steineaus, Neb., $315; No. 15, Clement Hade & Son, $600; 16, Clement Hade & Son, $700; 17 went to Kookson, Ill., at $460; 18, George Deuer & Son, $700; 19, Minor Bloom, $360; 20, Louis Larson, Ft. Dodge, Iowa, $500; 21, Clement Hade, $900; 22, Clement Hade, $1,000; 23, Chas. Smith, Dow City, Iowa, $340; 25, George Deuer & Son, $600; 26, Delmar Bartels $390; 27, Geo. Deuer & Son, $500; 29, Joe Smith, Dow City, Iowa, $440; 30, Olsen Bros., Albert City, Iowa, $450; 31, Hade Bros., $500; 33, Joe Smith, $465; 35, H. Miles Torgensen, $830; 36, Olsen Bros., $340; 37, Matt Laughlin, Emerson, Iowa, $430; 40, Geo. Deuer & Son, $560; 43, Olsen Bros., $425; 45, R. C. Stuerermer, Jackson, Minn., $580; 46, A. B. Charoldson, Anneta, N. D., $320; 47, H. C. Bloon, Terril, Iowa, $390; 48, Mr. Nelson, Rockport, Mo., $460; 50, Joe Smith, Dow City, Iowa, $400; 51, Olsen Bros., $330; 52, Ed Laughlin, Imogene, Iowa, $625; 53, Virgin Kookson, Arthur, Ill., $300; 54, Joe Smith, $390; 55, Hade Bros., $500; 56, Paul Watson, Dexter, Iowa, $440; 58, W. B. Morrison, Clearwater, Neb., $500; 66, Ralph J. Krueger, Portsmouth, Iowa, $460; 67, Roy Rutledge, Woodward, Okla., $340; 68, Alvin Bloss, Rockwell City, Iowa, $410; 39, Olsen Bros., $390. J. E. Halsey was the auctioneer, and he put in everything he had to make it one of the greatest sales of the year.

The Ralph Hillyard Hereford dispersion, Orient, Iowa, January 5, met with a very cold and blustery day, but, in spite of that, he drew a good crowd of buyers and sold 38 head at an average of $233 per head. The top cow was No. 13, and went to Noel Stark, Grand River, Iowa, at $370. No. 2 was the top bull, and went to Kenneth Evans, Bridgewater, Iowa, at $340. No. 1 went to Robert Cravat, Melrose, Iowa, at $320; No. 3 to Leslie Miller, Greenfield, Iowa, at $250; No. 26 to Gilbert Johnson, Creston, Iowa, at $335. Gilbert Johnson was one of the largest buyers in the sale, and took No. 5 at $225, No. 6 at $225, No. 7 at $267.50, No. 20 at $275, and No. 22 at $285. Wayne Wilson, Greenfield, Iowa, took No. 4 at $325 and a calf at $170. Kenneth A. Peterson took No. 15 at $260 and No. 18 at $255. John Womboldt, Greenfield, Iowa, secured No. 15 at $260 and No. 16 at $350. Fred Chandler was the auctioneer.

— 34th Annual Spring —
Shorthorn Show & Sale
AMERICA'S LARGEST SALES

SHOW 8:30 A. M. Wednesday, Feb. 16th

SALE Starts 12:30 P. M. Wednesday, Feb. 16th

In new heated, comfortable sale pavilion at 30th and L Streets, across street north of Exchange at

South Omaha, Nebraska, February 16th and 17th
112 HEAD—80 Rugged Bulls, 32 Desirable Females

A sale that has been established for years, where excellent breeding cattle, rich in pedigree and correct in type can be found. Selected from leading herds. Cows with calves, bred cows and females and open heifers, sired by outstanding herd bulls, top foundation females. A bull for every need, carload bulls . . . real bulls for cross-breeding in commercial herds and herd bulls for top herds. All cattle **T.B.** and **BANGS tested.** The consignors are:

Otto Thiede and Sons, Burton, Nebraska; John R. Saunders & Son, Manilla, Iowa; William I. Hartman, Barnard, Missouri; James Skinner, Herman, Nebraska; Robert Skinner, Herman, Nebraska; McCone Brothers, Botna, Iowa; Carl L. Retzlaff & Sons, Walton, Nebraska; H. N. Harrison, Washta, Iowa; V. O. Narigon, Nodaway, Iowa; Dennis H. Downing, Pacific Junction, Iowa; Donald V. Dugdale, Mondamin, Iowa; Louis Buchholz, Falls City, Nebraska; The Allen Cattle Company, Colorado Springs, Colorado; W. O. Schewe, Murdock, Nebraska; Lester Tomlinson & Sons, Traer, Iowa; Fred Hollrah, Denison, Iowa; Lloyd Davis, Oakland, Iowa; Bert McCone, Defiance, Iowa; Walter E. Zahn, Syracuse, Nebraska; Priscilla A. Drum, Omaha, Nebraska; Robert L. Bath, Auburn, Nebraska; Virgil Bohling, Auburn, Nebraska; Paul R. Hunt, Cedar Rapids, Nebraska; Ray Hunt, Cedar Rapids, Nebraska; J. N. and J. L. Johnson, Sidney, Iowa; J. Craig Seely, Algona, Iowa; Johnson Brothers, Exira, Iowa; J. W. McClaskey & Son, Fillmore, Missouri; I. J. Sample, Fullerton, Nebraska; J. L. Harshbarger, Humboldt, Nebraska; Clemens Hade & Sons, Harcourt, Iowa; Wm. Boysen, Madison, Nebraska; Lloyd Obrecht, Harlan, Iowa; R. S. Koertner, Bladen, Nebraska; Arthur Windom, Villisca, Iowa; S. H. Kline, Clarinda, Iowa; Vernon D. Uehling, Oakland, Nebraska; Johnson-Graves, Council Bluffs, Iowa; Auracher-Niehaus, McClelland, Iowa; C. B. Steward & Son, Panama, Nebraska; Mrs. Thera Ferrel, Randolph, Iowa.

Get the **FREE** catalog.

— 34th Annual Spring —
POLLED SHORTHORN SHOW and SALE

SHOW 8:30 A. M. Thursday, Feb. 17th

SALE 12:30 P. M. Thursday, Feb. 17th

In new heated sale pavilion, stock yards, located at 30th and L Streets

South Omaha, Nebraska, February 17th
101 HEAD—77 Choice Bulls, 24 Well-bred Females

America's largest Polled Shorthorn Auction. Many of the breed's best cattle have been secured in these annual auctions. Bulls and females selected from the leading herds where top quality cattle is produced, most all bulls of serviceable age, a bull for every need, high-class herd heading prospects, farmer and commercial bulls, one or a carload. Females of a high caliber, cows with calves, bred cows and heifers and open heifers. The consignors are:

L. C. Bolson, Decorah, Iowa; Clyde Wasson, Dexter, Iowa; R. E. Phillip, Red Oak, Iowa; Jacob Rocker, Seward, Nebraska; Lou Kennedy & Sons, Lewis, Iowa; Edw. L. Burger, Wilber, Nebraska; Ervin Hageman, Ithaca, Nebraska; Homer E. Stalling, Barnard, Missouri; A. L. Barker, Trenton, Missouri; Henry Buss, Columbus, Nebraska; F. T. Brown, Stamford, Nebraska; Matt Laughlin, Imogene, Iowa; Willard Johnson, Gothenburg, Nebraska; Alvin Blaas, Rockwell City, Iowa; A. Lopau & Son, Pipestone, Minnesota; Lester H. Ryon, Smithville, Missouri; Minor O. Blum, Terrill, Iowa; Clemens Hade & Sons, Harcourt, Iowa; R. L. Rauert, Grand Island, Nebraska; Herman Hirschfeld, Waco, Nebraska; F. O. Oleson, Laurens, Iowa; M. R. Wardell, Kennard, Nebraska; Jay Stewart, Kennard, Nebraska; Paul Mann, Manly, Nebraska; Theodore Svoboda, Brainard, Nebraska; Reuben Nelson & Sons, Harcourt, Iowa; Wayne Yoakam & Son, Webster, Iowa; M. J. Lundvall & Sons, Boxholm, Iowa; Walter E. Zahn, Syracuse, Nebraska; Fred Blomstrom & Sons, Waverly, Nebraska; Rawlond Truscott, Sterling, Nebraska; J. R. Kenner, Hebron, Nebraska; Walter M. Burger & Sons, Clatonia, Nebraska; H. W. Vanlandingham, Greenwood, Nebraska; Howard Brunkow, Wabash, Nebraska; R. E. Dell, Filley, Nebraska; E. P. Laughlin, Imogene, Iowa; Dennis H. Downing, Pacific Junction, Iowa.

Bulls that have the ability to sire market-toppers. Shorthorn and Polled Shorthorn bulls excell for cross-breeding and feeders pay more for top Shorthorn feeder calves . . . it is the extra pounds that make the extra profit. Shorthorns have it. All **T.B.** and **BANGS** tested. **COME!** Ask for **FREE** illustrated catalog (indicate which you prefer), sent only on request. Write and please mention this publication. Address

MERVIN F. AEGERTER, Sale Mgr., SEWARD, NEBR.

Auctioneer, J. E. Halsey Lunch on grounds M. T. White, Fieldman

A HIGH CLASS ANGUS DISPERSION
(To settle estate of the late John E. Arnold)

In Heated Pavilion

AMES, IOWA
TUESDAY, FEBRUARY 22, 1949

A small select herd, handled in a practical manner, sold in every day clothes, just right for the buyers. 21 bred cows and heifers; 3 cows with heifer calves at side; 5 open heifers; 1 September yearling bull, **ENSIGN BOY OF GARNER,** by Prideman Glencarnock 19th, an Elba tribe. Cows bred to **REVOLUTION BLUE BOY 7th,** a full brother to 1941 International champion female. 5 daughters of **BLACKBIRD BANDOLIER OF PAGE 11th,** 2 granddaughters of **ENVIOUS MARSHALL 3rd,** International grand champion. Families are **McHENRY BARBARAS, McHENRY BLACKCAPS, ENCHANTRESS ERICAS** and **BLACKBIRDS.** A Dispersion always offers bargains, breeding cattle that would not be sold . . . real money-makers for their owners. **COME.**

D. A. JAY, Manager, AMES, IOWA

Silver Top Angus Dissolution
At Silver Top Farms, just southeast of Kansas City at
BELTON, MISSOURI, MON., FEB. 28
Starting at 10:00 A. M.
150 HEAD—23 Bulls, 3 Herd Sires, 127 Richly-bred Females

The property of **Johnston Brothers**, Belton, Missouri, and one of the well-bred herds of the breed. All the most popular and approved tribes, including eight imported females. Many cows with big calves and rebred, choice bred cows and heifers and numerous open heifers. Three truly great herd sires . . . they are **TOPS. EILEENMERE 649th,** a wonderful Eileenmere sire by Eileenmere 487th; **BEEFMAKER 34th,** a choice grandson of Black Prince of Sunbeam and **GRENADIER 2d OF DEER CREEK,** an intensely Bandolier-Bardolier bull. Also 20 choice young bulls of serviceable age. Ask for **FREE** illustrated catalog. Kindly mention this publication. Address

J. B. McCORKLE, Sale Mgr. Suite 3710 A. I. U. Bldg. **Columbus 15, Ohio**

THE ANNUAL
Round-Up Hereford Sale

Kansas City, Mo.,

Monday,

February 28th

10 A. M.
American Royal Building

202 HEAD
181 BULLS
21 FEMALES

Herd Bulls — Range Bulls — Farm Bulls. **Plenty to Choose From.** Write for **FREE** catalog. Kindly mention this publication.

AMERICAN HEREFORD ASSN.
300 West 11th St. **Kansas City 6, Missouri**

—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

THIRD ANNUAL ALL-STAR SALE

Lamoine Valley Angus Breeders

In modern, heated sale pavilion, 7 miles southwest of Macomb, Illinois, at

Colchester, Ill., Tuesday, February 15

+ 69 HEAD +

55 CHOICE FEMALES
14 GOOD BULLS

This is one of the best offerings of the year, selected from leading herds, where top quality **Angus** cattle are produced. The bulls are of herd-heading material, most all ready for service, rich in **EILEENMERE, BANDOLIER** and **SUNBEAM** breeding. Females are of foundation character, a few grand cows with big lusty calves by great herd bulls, excellent bred cows and heifers and some most attractive open heifers.

LIST OF CONSIGNORS

	Bulls	Females		Bulls	Females
Leon Barrett, Lewistown	1	1	W. H. Hanson & Sons, Monmouth	0	1
Baylor Farms, Cuba	0	3	Roy McMillan, Astoria	0	5
F. M. Bradley, Avon	0	1	John D. Miller, Bushnell	0	1
Blau-Velt Farms, Macomb	0	1	Truax & La Voi, Fiatt	1	1
Carl Bonnett, Bushnell	0	3	W. L. Weir, Gladstone	0	7
Linn Eaton, Brooklyn	0	1	Cecil R. Neill, Carthage	1	0
Bruce Bricker, Macomb	3	8	Glenn Weaver, Colchester	4	1
Clyde Ewan, Lewistown	0	2	Lawrence Wilson, Colchester	1	0
Herbert Greenup, Colchester	0	2	J. Miles McGrew, Walnut Grove	0	5
Ray M. Hamilton, Good Hope	2	5			
Ross E. Hanna, Little York	0	8			

This is an event that should appeal to those interested in better Angus cattle. The large number afford a wide selection. Breeding unsurpassed, which is a guarantee of future breeding ability. The families are **BALLINDALLOCH GEORGINAS, MISS BURGESS, BALLINDALLOCH JILTS, McHENRY BARBARA, JUANA ERICAS, CRIDLAN** and **ELSLOW EVERGREENS, GLENCARNOCK ELBA, McHENRY BLACKCAP,** and others. Nothing finer. Consigned by good, dependable and reliable breeders. All **T.B.** and **Bangs** tested. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

BRUCE BRICKER, Sale Mgr., MACOMB, ILLINOIS

LAMOINE VALLEY ANGUS BREEDERS

J. Coder Hamilton, Secy. Auct., Roy Johnston J. E. Halsey, Fieldman

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Annual Central Illinois Angus Breeders

Early Spring Bull Sale

Our 42nd sale in our comfortable, heated sale pavilion, located midway between Peoria and Bloomington, Ill., on U. S. Highway No. 150, at

Congerville, Ill., Monday, February 14, 1949

80 HIGH CLASS BULLS

Choice registered bulls selected from leading herds; they are thick, low-set, beefy bulls, most all ready for immediate service. They are sired by some of the best sires in service in this section, real herd bull prospects. Ideal for **FARMER** and **COMMERCIAL** Breeders . . . a bull for every need. The ideal kind to improve your purebred herd or sire market-topping steers. Most all of the ancestry of the offering has been bred in **CENTRAL ILLINOIS** for **50** to **70** years, therefore thoroughly fixing the similarity of type and quality. They will please. The large number affords a wide opportunity to purchase one or a carload. Plan now to **come.** Ask for the **FREE** catalog. Please mention this publication. Address

SIMON E. LANTZ, Secy-Mgr., CONGERVILLE, ILL.

Auctioneers, Roy Johnston, Zobrits and Viemont. J. E. Halsey, Fieldman

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—A POLLED—

SHORTHORN DISPERSION

Held in comfortable pavilion, located only 20 miles west of Des Moines at

ADEL, IOWA, SATURDAY, FEB. 12

PANSY C. X2111899, and choice red heifer calf. She was bred by Blomstrons and a 3rd prize heifer at Nebraska State Fair. A fair sample of the choice females.

CEREMONIOUS COMMANDER X2319464, a son of the International grand champion Oakwood Commander. A great dark red 3-year-old; his progeny will please. A herd bull for anyone.

Because of ill health have sold the farm, hence the cattle must sell. A herd established 25 years ago in Nebraska and rich in **HULTINE** and **BLOMSTROM** breeding. Our herd bull, **CEREMONIOUS COMMANDER** (illustrated here), sells, a good dark red 3-year-old by Oakwood Commander, dam by Ceremonious Browndale, a half sister to International grand champion, Ceremonious Goldspur. The 11 calves are evidence of his value as a sire. **LINLO GRENADIER,** a dark red, low-set, deep-bodied, well balanced December yearling bull of herd heading ability, consigned by VIRGIL I. MARSHALL will sell. Herd deep in polled breeding, which hasn't produced a horned calf in over **15** years. **11** grand cows with big, fine calves, many rebred. **10** choice bred cows. **4** beautiful 2-year-old heifers, **4** open yearling heifers and **4** young bulls turning a year old in spring. Only two cows over 6 years old. **17** daughters of **Collynie Lavender 3rd** X2109628 by Collynie Fascinator. Others are by **MARDALE RODNEY, CEREMONIOUS CHARWELL, GOLDEN CORONET, ROYAL MONARCH, ROSEDALE PRIDE 2d** and **CEREMONIOUS COMMANDER.** Best in breeding. All **T.B.** and **Bangs** tested. Plan to come. Ask for **FREE** catalog. Kindly mention this publication. Address

T. A. COLLINS & SON, ADEL, IOWA

Auctioneer, J. E. Halsey M. T. White, Fieldman

7th Annual Draft Sale!

ANGUS CATTLE

EILEENMERE 487th, our $30,000 sire

At the Home-Place, just east of

HAMILTON, MISSOURI

TUESDAY, MARCH 1st

Starting at 12:30 P. M.

67 HEAD—56 CHOICE FEMALES, 11 GOOD BULLS

One of the finest herds of the breed with outstanding individuals rich in pedigree. 12 beautiful heifers mated to **EILEENMERE 487th; EILEENMERE 999th; ENVIOUS OF HAMILTON; ENVIOUS BURGESS II.,** and **HOME-PLACE EILEENMERE 72d.** 7 most attractive open heifers. 11 herd bull prospects, 9 are sons of **EILEENMERE 487th.** Best in breeding, type and quality. Plan to attend. Ask for **FREE** beautiful illustrated catalog. Kindly mention this publication. Address

J. B. McCORKLE, Sale Mgr., Suite 3710, A. I. U. Bldg., COLUMBUS 15, OHIO

PENNEY and JAMES, HAMILTON, MISSOURI

Interstate Shorthorn!

SHOW AND SALE

MARCH 7th and 8th

At Stock Yards Pavilion

SIOUX CITY, IOWA,

101 HEAD — 54 Bulls, 47 Females

Leading breeders from three states selling one of the greatest offerings of Shorthorn cattle that have ever been consigned to such an outstanding regional show. Herd bull prospects that are fully qualified and capable of heading leading herds. A large number of good deep thick bulls for the newer breeder, farmer, and ranchman. The females are carefully selected as foundation material with which to strengthen or build a new herd. Make plans now to attend. Follow the cattle during the judging on March 7th and buy with confidence on March 8th. Ask for **FREE** catalog at once. Please mention this publication when writing. Address

F. E. JACKSON, Secy. and Sales Mgr., HURLEY, S. D.

Auctioneer, J. E. Halsey Maurice Boney, Fieldman

If You Need a Good Boar....

Farmers who need a good boar or gilt or first class individuals of either sex in draft horses, beef or dairy breeds will find the leading breeders listed in these pages and offering surplus stock. Make our columns your guide when buying.

If you do not find in Wallaces' Farmer and Iowa Homestead what you want to buy, advise us and we will gladly give you names of reliable firms that can take care of your needs.

Address Live Stock Advertising Department

Wallaces' Farmer and Iowa Homestead, Des Moines, Iowa

CHAMPION BERKSHIRES

Sale at farm, just south of town

MOUNT VERNON, IOWA
WEDNESDAY, FEB. 16th

Champion Berkshire Barrow and Reserve Grand Champion Carcass, over all breeds at 1948 International. Sired by **RAIDER PRINCE 300th**, a 1947 Iowa State winner. Many of his gilts sell and several mated to him.

45 Choice Gilts

A top quality offering selected with care. 35 spring gilts, 10 fall gilts sired by **RAIDER PRINCE 300th**, sire of International Champion Barrow; **TYPESETTER's IDEAL, GENERAL PICKET, RAIDER PRINCE 85th, M's CHARMER**, an Iowa grand champion. Bred to **RAIDER PRINCE 300th**, an Iowa first prize winner and sire of champions; **PRESTIGE**, the best prospect we have ever raised by Typesetter's Ideal; and **MODEL'S PATTERN**, a son of 1947 Ohio junior champion. We sell a litter mate to the International Champion barrow . . . daughters of **TYPESETTER'S IDEAL**, mated to **RAIDER PRINCE 300th**, daughters of **GENERAL PICKETT** and **RAIDER PRINCE 300th**, bred to great young boars. **BERKSHIRES** won the highest barrow honors at 1948 Iowa State Fair and other leading shows . . . the premium carcass. Buy the best now. Come. Ask for **FREE** catalog. Kindly mention this publication.

MILO V. WOLRAB, MOUNT VERNON, IOWA

+ Conover's Berkshire Sale +

C. C. V. GOLDEN LADY 9th, 1948 Iowa Grand Champion Sow

—50 HEAD—
BRED SOWS
BRED GILTS

HOLSTEIN, IOWA,
FEBRUARY 17, 1949

Sale Barn in Town

An outstanding offering of fifty bred falls and spring gilts. Two daughters of the 1948 Iowa State Fair grand champion sow, **C. C. V. GOLDEN LADY 9th**, and many others of our state fair prize winners. Herd boars used in this offering are: **MARKET TOPPER**, junior champion Nebraska State Fair; **PRINCE 14th**, son of the Iowa grand champion sow and **S NEW DEAL**, a noted son of Iowa Lad. Sows carry such good breeding as Omaha 3rd, Epoch Champ, Clipper and Bomber blood lines. The name Conover means champions in hog shows. Be sure to get the big catalog and kindly mention this paper when writing. Address

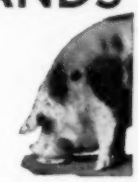
BONNIE ACRES FARM, TOM W. CONOVER, HOLSTEIN, IOWA
SHADY BROOK FARM, ALEX CONOVER, HOLSTEIN, IOWA

AYR LAYNE FARM

SPOTTED POLANDS

Fair Grounds

NASHUA, IOWA, FEBRUARY 15th



45 High Quality Gilts

Choice registered gilts, well grown, rich in breeding, excellent type and real quality, mostly sired by **ROYAL BUSTER**, a top son of **SODBUSTER**. They are bred for late February and early March farrow to **AYR LAYNE MAJOR**, a son of Broadway Supreme out of a New Glory Dam, and **AYR LAYNE CHIEF**, a top son of Big Chief. Breeding unsurpassed. A real quality offering. The easy-feeding kind, ideal money-makers. Mated to two outstanding boars. Plan to attend. Ask now for **FREE** catalog. Kindly mention this publication.

R. L. MUENCH, AYR LAYNE FARM, IONIA, IOWA
Auctioneers, Taylor & Martin

Spotted Poland Sale

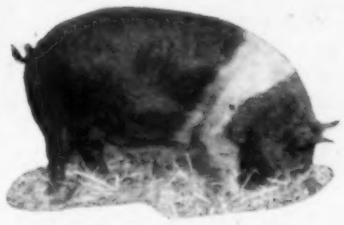
At farm, 1½ miles east and ¼ mile south of

LUVERNE, IOWA
SATURDAY, FEBRUARY 19th

40 Quality Gilts

One of the best offerings of fast gaining profit-making Spots to sell this winter. The offering is thick and low-set of exceptional class and quality. Featuring gilts sired by the noted **INDICATOR** and bred to **HI POWER**, the great boar we purchased in the Warren sale last fall. A good number of the gilts will carry the service of **INDICATOR** and the balance are bred to **MOONBEAM**, one of the top boars of the Niehaus sale. Mostly bred for March farrow. New blood for old customers. Plan to attend. Write for **FREE** catalog and see examples of the offering pictured.

E. C. MARTY & SONS, LUVERNE, IOWA



ONE OF THE GILTS SELLING—A SAMPLE OF THE TYPE OFFERED

Elmaurlee Farm

Hampshire Sale!

At farm, 1 mile south and 2 miles west of

AYRSHIRE, IOWA,
WED., FEB. 23rd

50 CHOICE BRED GILTS

Big, broody gilts that have been handled to produce strong, healthy litters that will make rapid economical gains for their new owners. This good offering is mostly sired by our Spencer Fair Grand Champion, **HI HOPE MODEL BOY**. A few tried sows carrying this outstanding boar's services will be sold. This attractive offering of gilts of the right type have been mated for March and April farrow to **THE PATTERN**, one of the top spring boars to sell this fall, he by the great Daggett herd sire, Stylemaster, and to **RECHECKERS**, a grandson of Checkers. Both boars are of the kind that please the farmers and breeders, being heavy boned, low-set, and having the length and thickness that is needed in present day hog production. Will also sell eight of belt gilts that will please the farmer and a few fall gilts. Lunch served at noon. Please mention this paper when writing for **FREE** catalog. Make plans now to attend as there will be outstanding values at bargain prices.

ALBERT J. LARSON, AYRSHIRE, IOWA
Send bids to Maurice Boney, Fieldman, in our care

GEORGE LIPPOLD & SONS

HAMPSHIRE BRED SOW SALE!

AVOCA, IOWA, FEBRUARY 22, 1949

75 HEAD—350 to 400 Pounds—Spring and Fall Gilts

1948 Spring Gilts, Taken December 31

This offering will carry litters by **WIN TYPE**, 1st prize junior pig at Nebraska; **SELECT TYPE**, a litter mate that was 3d prize; **GRAND STYLE**, top of the Michaelsen sale; **MASTER SPRING TIME**, a mighty good son of Spring Time, and **GLORY BOUNCER**, a top son of McPike Bouncer. It will be a quality offering which we feel sure of being one of the greatest breed improving offerings to be sold this winter. Sale at farm, 3½ miles southwest of town. Write at once for free catalog. Kindly mention this paper when writing. Address

GEORGE LIPPOLD & SONS, AVOCA, IOWA

Duroc Sale!

At the farm, on Highway 75, 3 miles north of

SIOUX CENTER, IOWA
TUESDAY, FEBRUARY 22

55 Choice Bred Gilts

Litter mate gilts to the good offering we sold earlier this season. They are of the same stamp and pattern as we selected with care from our large crop of 490 spring pigs. Our herd is backed by 25 years of constructive breeding and we sincerely believe this to be the best group of gilts produced on our farms. This well-grown broody offering is mostly bred to **MR. BLUE PRINT**, a proven sire of outstanding merit who has sired many winners at the big Spencer Fair. A few will be mated to **IMPROVERS LAD B.** from the Newlin herd in Indiana; others mated to **BLENDER STYLE KING**, a top son of the Iowa Grand Champion. New blood lines for old customers. The large number affords a wide selection of the easy feeding kind. Farmers will be more than pleased with this offering. Write for **FREE** catalog and please mention this publication.

BERT BROEK & SONS, SIOUX CENTER, IOWA

Kayward Farm Durocs

Sale at farm, 1 mile southwest

IOWA CITY, IOWA
FEBRUARY 11th

40 Choice gilts, well grown, ideal type and fed with future usefulness in mind, sired by top boars from leading breeders, including **KAYWARD LEADER**, 1948 Iowa Reserve Grand Champion, **MODERN TREND, SPOTLIGHT PRIDE**, and **FANCY BUTCH**. Many are mated to the great **KAYWARD LEADER, KAYWARD SUN**, foremost junior yearling prospect by Lucky Promoter, 1948 Minnesota Grand Champion. Best in breeding, real quality. All **Bangs** tested. **COME**. Ask for **FREE** catalog. Kindly mention this publication.

A. B. THOMAS & SON Auctioneer Guy Pettit **IOWA CITY, IOWA**

HIRED HAND HARLEY—Hilda Should Settle For The Mouse

EUGENE J. RATH'S

PUREBRED SPOTTED POLAND CHINA

BRED SOW SALE

For its central location, I am holding it at

COLFAX, IOWA, FEBRUARY 17th, 1:00 P. M.

A group of choice gilts that sell, and many more as good or better.

50 head bred to 4 of the Breed's Outstanding Herd Sires. **Valiant, Royal Flash, Pathfinder Type and Progressor.** Bred to farrow, February, March, April and May.

It will be a great pleasure to welcome you to my annual sow sale. I am sure this offering will surpass any in the past. They have a lot of size and carry quality that will appeal to those in the market for better Spotted Poland Chinas. These gilts have the breed's best blood lines. Be sure to write for a **FREE** catalogue that will describe each litter and showing pictures of herd boars. Kindly mention this publication. Address

EUGENE J. RATH, MISSOURI VALLEY, IOWA
SALE AT COLFAX, IOWA

Auctioneer, Luke Gaule M. T. White, Fieldman

YOU CAN AFFORD TO WAIT—
BUT YOU CAN NOT AFFORD TO MISS

Sunset Knoll Farm's

Duroc Sale

FEBRUARY 12, 1949
Washington, Iowa

54 Bred Gilts

Sunny Boy, a Real Sire

Featuring

1. CORRECT TYPE
1948 Junior and Grand Champion Ohio State Fair.

2. RED MOLD
2d Prize Spring Boar, Oklahoma State Fair, out of champion Production Register litter of Oklahoma.

3. SUNNY BOY
Sire of 2d Prize Boar Pig, 1948 Iowa State Fair.

Ask for FREE catalog. Kindly mention this publication. Address

J. C. HOLBERT, Box 492, SUNSET KNOLL FARMS, Washington, Iowa

J. C. HOLBERT DON RINNER GAROLD PARKS

Iowa Poland China State Sale

SHOW 10 A. M.—SALE 1:00 P. M.

State Fair Grounds

DES MOINES, IOWA
SATURDAY, FEB. 12th

45 Extra Choice Bred Gilts
6 Choice Fall Boars, 6 Good Fall Gilts

This fine offering has been selected from 35 of the leading breeders, only the best are offered. They are the most ideal type, by great sires and bred to wonderful herd boars. An opportunity for **4-H** and **F.F.A.** members. Breeding and quality that will please. Ribbons awarded to the prize-winners and a Gold Cup to Champion sow. **COME.** Ask now for **FREE** catalog. Kindly mention this publication. Address

FRED W. MORGAN, Secy., 5801 College Ave., DES MOINES, IOWA

"PERFECT STYLE"
Our Iowa State Fair Grand Champion and All-American Sr. Yearling Sow for 1948

Hampshire Sale

At farm, 7 miles west and 4 north of

WEBSTER CITY, IOWA

Thursday, February 17

50 HEAD

The outstanding Hampshire sale of the season. They are truly big and thick, being close to the ground with splendid heads. Lots of ham and of exceptionally uniform type. Most of the offering is sired by **SAFEWAY** and **MR. MIXER**, both blue ribbon winners at Iowa, 1947. 40 large spring gilts and 10 fall gilts and tried sows, mostly mated to **MODEL BOUND**, Nebraska senior and reserve grand champion boar of 1948. Featuring choice daughters of our champion All-American sow bred to this great sire. Farmers wanting that extra thickness and performance in the feed lot should see this offering. Proven blood lines cost no more . . . it pays! Make plans now to attend this sale. Kindly mention this publication when writing for free catalog.

MAURICE WEITZ, WEBSTER CITY, IOWA

BERKSHIRE BRED SOW SALE

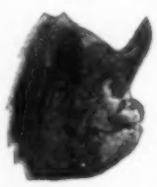
At farm, located 13 miles west of Atlantic, Iowa, on gravel road, and 6 miles east of

Hancock, Iowa

Feb. 18th

40 HEAD Choice Berkshire sows and gilts bred to the Wisconsin Junior Champion, **STYLE-MAKER**, a son of Valley Farm Pacemaker, Grand Champion at Wisconsin, and Reserve Champion at National Berkshire Show and Illinois State Fair. Also **15** fall boars and gilts. They are sired by the 2d prize boar at Missouri and 3rd prize boar at National Futurity Show. All are registered and **T.B.** and **Bangs** tested. **COME.** Ask for **FREE** catalog. Kindly mention this publication.

ROBERT M. JACOBSEN, HANCOCK, IOWA



Colo Clear View Berkshire — Farm —

At 4-H Barns in

Nevada, Iowa, Saturday, Feb. 5th

45 Choice bred gilts, well grown, with pleasing type and merit, sired by **M.'s IDOLMERE PRINCE, MAPLEWOOD MODOLER 4th, C. C. V. EPOCH,** and 5 great gilts by **WEHRMANA BOMBER LAD 4th,** also a half sister to 1947 Iowa grand champion sow. Several outstanding gilts by **C. C. V. ACE,** who is siring barrows with most desirable meat cuts at Waterloo Meat Show. Bred to **STAR LAD,** the great $1,000 son of Iowa Lad, highest valued pig of his age in the breed. A boar with rare style, length, depth, smoothness and with a wonderful head, **C. C. V. MODELER 2d,** a prize winner at 1948 Iowa State Fair, a son of Maplewood Modeler 4th. Good Berkshires are plentiful here. **COME.** Ask for **FREE** catalog. Kindly mention this publication. Address

W. H. ZEISNEISS & SON, COLO, IOWA

Auctioneer, Clair Mason Our Phone, State Center 404

Buy a Bond to Help Your Country and to Help Yourself in Later Years

Golden Bred Durocs

F.F.A. Building

IOWA FALLS, IOWA,
FEBRUARY 14, 1949

50 TOP SPRING GILTS

A most uniform offering, excellent type, real quality. Bred for late February and early March farrow . . . the early litter makes the profit. Mated to **GOLD KNIGHT,** a great junior yearling, **GOLD DESIRE,** outstanding son of Kayward Leader, 1948 Iowa reserve grand champion and **BREEDERS FANCY BOY,** our popular 1948 sire. You can obtain the best here. **COME.** Ask for **FREE** catalog. Kindly mention this publication.

WILLARD KLEIN, IOWA FALLS, IOWA

PAW TUCKER—Paw Rests Up For The Spring Work

SUNNYCREST FARM
Chester White Sale

At the farm, in heated pavilion, ¾ mile east of

KINGSLEY, IOWA

FRIDAY, FEBRUARY 18

50 Choice Medium Type Bred Gilts

We have selected this offering for our annual sale with great care from our herd numbering 100 gilts. One of the most outstanding offerings we have ever presented to our breeder and farmer friends. The gilts are well-grown of medium type and carry lots of style and quality. They have been fed and handled so as to insure large, strong litters for the new owners. These choice gilts have been bred to three outstanding boars: **SUNNYCREST SUPERIOR**, first prize Junior yearling boar at Iowa State Fair; **SUNNYCREST CLIMAX**, top son of the Illinois Grand Champion boar, Royal Climax, and to **KENWOOD LAD**, an exceptional grandson of Kenwood Supreme. Large, broody gilts that will please the farmer. Plenty of new blood lines for old customers. Plan to attend this sale. If unable to attend send mail bids to M. W. Boney, Fieldman, in our care. Write for **FREE** catalog, kindly mention this publication when writing.

R. A. RIEMENSCHNEIDER, KINGSLEY, IOWA

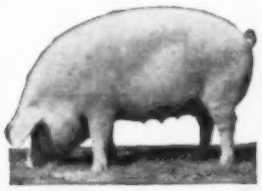
Auctioneer, J. E. Halsey — Maurice Boney, Fieldman

Eldorado Stock Farm

(Formerly Banner Stock Farm)

Sale at farm, located 15 miles west of Cedar Rapids on Highway No. 30 and 3 miles north, just north of

Newhall, Iowa
Sat., Feb'y. 19th



60 TOP QUALITY SPRING GILTS

Without doubt the greatest offering of choice **CHESTER WHITE** gilts ever grown in the 30 years of constructive breeding at **ELDORADO STOCK FARM**. Selected with care from a large number . . . fed in a practical manner to make real brood sows. Sired by genuine herd boars, **BANNER'S DESIGN JR., THE BANNER JR., CHIEFS MODEL JR.,** and **DAKOTA ELMO** . . . best in breeding. They are mated to **SUPER CLIMAX**, 1948 Iowa Junior champion and top boar of 1948, a son of the famous grand champion, **ROYAL CLIMAX** . . . **ELDORADO MODEL** is a top boar from the famous show and breeding sow, **MODEL LADY** . . . **THE BANDOLIER**, one of the best sons of **THE BANNER JR.**, and **MISCHIEF MODEL**, our top son of **BIG CHIEFS MODEL**. Excellent gilts mated to outstanding herd sires. The **BEST** cost only a little more . . . and produce a great deal **MORE** profit. Plan to attend or send an order. Ask for **FREE** catalog. Kindly mention this publication.

ALBERT H. STUART, NEWHALL, IOWA

Auctioneer, J. E. Halsey

Held's Quality
Chester White Sale

At Stock Yards Pavilion

SIOUX CITY, IOWA

MONDAY, FEBRUARY 21

1:30 P. M.

THE DEAN

50 Choice Bred Gilts

We have selected this offering with great care from a total of 100 bred gilts. All were raised on clean alfalfa and brome pasture ground and they will stay on this range until sale time. They have received a ggeat amount of exercise and a balanced ration which will insure a large pig crop for their new owners. They are sired by such boars as **HELD'S MODEL** by the noted Portage Model, **H SPARKLER CHAMP**, sire of winning get at such shows as the big Spencer Fair, and by **THE DEAN**, a top son of a top litter of Modern Ace, the popular herd sire in the Callahan Bros. herd at Milford, Ill. The Dean sired the 1st and 3rd and Res. Jr. Champ. gilts at the Nebraska State Fair. A proven sire of exceptional merit. These large, smooth medium type gilts are bred to such outstanding boars as: **THE DEAN**; **H PROTOTYPE 3rd**, a trim well balanced pig sired by McBride's Prototype; **H BALANCED EXPLOITER**, a heavy boned deep-sided son of Exploiter and out of a Balancer dam; **H SPARKLER TREND**, a long smooth uniformly thick boar sired by our H Sparkler Champ.; **H MODEL TREND**, rated by many to be the top pig we raised this year. All those interested in the production of better hogs are urged to see this offering. Farmers will be especially pleased. Plan now to attend this sale. Please mention this paper when writing for **FREE** catalog.

B. F. HELD & SONS, HINTON, IOWA

Auctioneer, J. E. Halsey — Send mail bids to Maurice Boney, Fieldman

Ideal Chester Whites

Waverly Sales Barn

Waverly, Iowa, Tues., Feb. 15th

48 Excellent spring gilts, well grown, with good type, and pleasing quality. They are sired by **VICTORY KING**, 1st prize boar in 4-H at 1947 Iowa State Fair and **BROADWAY LADDIE**, a son of 1947 grand champion Broadway. We offer as an attraction one of the best to sell this year, a daughter of **ALFALFA SENSATION**, bred for early March litter to **FARRELL'S PROMISE**, 2d prize at Illinois, a son of Modern Ace. One of the truly great prospects, loaded with style and merit. Many bred to him. Others mated to **CITATION**, a top boar in Kabrich's litter; he is rugged, with great depth and wonderful ham. All gilts display rare style and have been fed and cared for in a manner that will make great brood sows. Plan to attend. Ask for **FREE** catalog. Kindly mention this publication. Address

ROBERT A. MEYERHOFF, DUNKERTON, IOWA

WESTHAVEN PLACE
Chester White Bred Sow Sale

MEDIUM TYPE BROODY GILTS

DENISON, IOWA

TUESDAY, FEBRUARY 22

Denison Livestock Auction Sale Pavilion

50 HEAD

A set of gilts fully developed for greatest efficiency as pig producing machines. Big and broody, long and deep sided with clean cut heads. Everything immuned, recorded and guaranteed. They have been fed balanced rations which in turn assures good, strong litters. F.F.A. and 4-H Club members as well as breeders will like these gilts. Sired by **FASHION LAD** by Portage Buckeye Lad and **H MODERN STEP A HEAD** by H Sparkler champ of Balancer breeding. Bred for March and April litters to **IOWA INVINCIBLE** by Invincible, **WESTHAVEN BOUNCER** by Fashion Lad and **H MODERN STEP A HEAD** by H Sparkler.

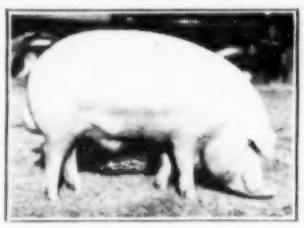
To make profits sure, our Chester Whites are bred to produce, they must be prolific and they must be good-doers. In short, they are bred to be profitable. They are for us and they will be for you. You will find the right sort of modern bred gilts in this offering. See them and be convinced. If you cannot attend be sure you send your buying orders to M. T. White, fieldman, in our care. His selections are guaranteed to please. The catalog is free. Send today for your copy and kindly mention this paper when writing.

WESTCOTT BROS., DENISON, IOWA

Auctioneer, J. E. Halsey — M. T. White, Fieldman

BETTER CHESTER WHITES

Sale at farm, located east of Marshalltown on Highways No. 64 and No. 30, and just west of



IOWA CHIEF, 1st Senior Yearling and Reserve Grand Champion at 1948 Iowa and Nebraska State Fairs. A great sire. You will like his progeny.

LEGRAND, IOWA
FRIDAY
FEBRUARY 11, 1949

60 TOP BRED SOWS

15 CHOICE FALL BOARS

All well grown, modern type, with merit and quality. Sired by **IOWA CHIEF, SPOTLIGHT,** and **FASHION'S MODEL**. Best in breeding. They are mated to **STREAMLINER** by Top Master and **PERFECTOR** by Spotlight. We sell our Reserve Junior Champion, **SILVER BLEND**, and daughters of the Reserve Grand Champion, **PERFECTION MISS**. Also daughters of our best sows. All selected from a large number and bred and fed so they will make good. **COME**. Ask now for **FREE** catalog. Please mention this publication.

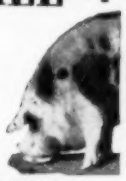
C. T. KEEN & SONS, LE GRAND, IOWA

Auctioneer, Clair G. Mason. — Send bids to J. E. Halsey, Fieldman, in our care

+ SPOTTED POLAND SALE +

At the farm, 4 miles south of

HULL, IOWA,
MONDAY, FEBRUARY 14th
1:00 P. M.



60 Rugged Sows Bred for March and April Farrow

We will sell 60 head of big, rugged, well grown sows bred for March and April farrow to some of the breed's best boars. This gilt offering is the tops of over 100 head of choice gilts and we have selected with great care . . . every one is a great sow. They are litter mates to the good boars that we sold this fall which proved so popular with the farmers. The kind that is in demand today. They are sired by **CORNER STONE** and **PROMOTER**. They are bred to outstanding boars: **THE ANCHOR**, the top son of Boss from the Bob Walters herd; **TRADE MARK**, a great son of the Prince Charming; **FLEETLINE**, a son of the Ill. and Ind. Grand Champion, Challenge Me; some will carry service to **CORNER STONE**. We will also sell a few **FALL BOARS** by this great sire. Plan now to attend. Please mention this publication when writing for **FREE** catalog.

GERRIT J. KEMPERS & SON, HULL, IOWA

ANNUAL
DUROC SOW SALE

At Clay County Fair Grounds

SPENCER, IOWA, FEBRUARY 12—1:00 P. M.

GOLDEN BLOCK

50 Production-Bred Gilts

A choice well-grown offering that has been bred and fed a balanced ration with an eye on their future producing ability for their new owners. The offering is mostly sired by **GOLDEN BLOCK**, an outstanding sire, and by **KING TOPPER**. They are bred to **ORION'S BEST**, 9th prize boar at the strong Missouri State Fair and top selling boar in the Popham Bros. fall sale. Others bred to **BLENDER'S EQUAL**, by the 1948 Iowa Grand Champion, Style Blender. Two dark red boars possessing length of body, depth of ham, sound feet and legs, and feeding ability. A top offering of profit making gilts that will command your attention. Kindly mention this paper when writing for **FREE** catalog.

MELVIN JENSEN, EVERLY, IOWA

Send mail bids to Maurice Boney, Fieldman, in our care

—START SAVING NOW THE EASY U. S. SAVINGS BOND WAY—

FINE FURS, FOX SCARFS

Made from your own skins—rich, stylish and useful; more popular than ever. Red fox, silver fox, mink, raccoon, beaver, every kind of hide and fur skin beautifully tanned and styled to your order. Having your furs beautifully finished by Cownies is only Way for you to realize their full value. 40 years experience—100% satisfaction guaranteed. Cow, horse, calf hides tanned and made into handsome, warm, durable coats, robes and rugs. Also expert taxidermy. Ship your skins right in, we will acknowledge and send styles, prices, complete information. **COWNIE TANNING CO., 501 Market Street, Des Moines, Iowa.**

ALFALFA HIGHEST QUALITY **$26.85** BU.

Hardy Grimm Alfalfa $28.50; Red Clover, special Lot Leader, $23.95; Alsike Clover $20.85; Sweet Clover $9.90; Alsike and Timothy Mixed $10.35; Mountain Brome $4.20; Hybrid Corn $4.75; Hawkeye Soy Beans $5.95. All per bushel. Triple recleaned. Complete stocks all other seeds lowest prices. Guaranteed satisfactory. FREE Samples and Catalog.

BERRY SEED CO., Box 404, CLARINDA, IOWA

LIVESTOCK FOR SALE

SWINE

Cross-line Poland China Boars

PERCHERONS

Ten-year-old grey stallion; 7-year-old black mare with filly foal. Inspection invited.

DAIRY BULLS

Two to 8 months of age. Holstein, Guernsey, Jersey, Brown Swiss and Ayrshire breed.

ANIMAL HUSBANDRY DEPARTMENT
Iowa State College Ames, Iowa

DAISY Cattle Markers

COMPLETE WITH CHAIN. Brass tag for HORNS and neck. Write for folder.

GOLDEN ARROW FARMS
Dept. 25 Huntington, Ind.

AUCTIONEERS

AUCTIONEER

Successful sales for leading breeders, lifetime experience with livestock. Apply early, as I am busy during the season. Rates reasonable. Telephones, Residence 7-3645; Business 3-6181.

J. E. Halsey, Box 1317, Des Moines, Ia.

BE AN AUCTIONEER

INSTRUCTORS INCLUDE: A. W. Thompson, Earl Gartin, Charles Corkle, G. H. Shaw, Walter Britten, W. H. Heldenbrand, O. R. Peterson, H. D. Forke, Keith Goode, and others. Write for information:

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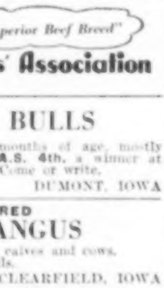
ABERDEEN ANGUS

WIN WITH THE MODERN BREED



Angus cattle rank first as producers of superior beef. Winning three times as many interbred grand championships at the Chicago International as all other breeds combined, the Angus record includes 41 grand champion carcasses in 43 shows. You, too, can breed champions with Angus. For information write:

Dept. WF, 7 Dexter Park Ave., Chicago 9, Ill.

American Aberdeen-Angus Breeders' Association "Superior Beef Breed"

10 ANGUS BULLS

Choice bulls, 10 to 20 months of age, mostly sired by **REVOLUTION B.A.S. 4th**, a winner at Iowa State Show and Sale. Come or write.

AUSTIN & GARRELS DUMONT, IOWA

REGISTERED
BLACK ANGUS

Yearling heifers, heifer calves and cows. Also bulls.

WALTER ENGLAND CLEARFIELD, IOWA

FEED BOW-KEY FEED
DES MOINES · IOWA.

Buy Bonds Now

LIVESTOCK NEWS

The annual Iowa Hereford Association show and sale, Des Moines, Iowa, January 24 and 25, drew severe weather, with Iowa and adjoining states covered with ice, which reduced the attendance. Iowa breeders presented a grand lot of well-bred cattle, and a fairly good crowd from a wide territory came. The awards were made by Dean Kildee, of Iowa; Sam Marting, of Ohio, and Ray Schnell, of North Dakota. J. C. Holbert, secretary, and Clyde Turkington, president, with the cooperation of all the directors, worked hard to make a successful sale. The futurity champion was Princess Stanway 10th, consigned by L. F. Koep & Son, Belle Plaine, Iowa, and sold for $1,300 to C. H. Kilpatrick, Herrin, Ill. The reserve champion futurity heifer was H&D Tone Lass 261th, from Hillandale Farm, and sold for $700 to Walter Blaner, Afton, Iowa. They showed 13 pens of three heifers each, which were most interesting to those in attendance. The first prize pen of three was shown by W. E. Roberts, Troy, Iowa, and sold for $1,070 each to John Wisdom, Des Moines, Iowa. The champion female in the open class was Lady Triumph 43d, from the Ivan M. Pollock herd, Mt. Auburn, Iowa, and sold for $1,025, also to John Wisdom. The reserve champion was Sweet Sue, from the herd of C. C. Long, Corydon, Iowa, and sold for $1,050 to Dill & Richardson, Allerton, Iowa. The champion futurity bull was Elect Donation 5th, from the Lyman E. Meyer herd, Bellevue, Iowa, and sold for $1,525 to Dwayne Stock, Lone Tree, Iowa. The reserve champion bull was Mischief Stanway 18th, from the L. F. Koep & Son farm, and sold for $1,300 to Harold Volland, Gresham, Wis. The grand champion bull in the open class came from Hillandale Farm, Muscatine, Iowa, and sold for $2,700 to Blackhawk Hereford Farms, of Cedar Falls, Iowa. The reserve champion bull was Super Royal 6th, from the C. C. Long farm, Corydon, Iowa, and sold for $1,900 to Adams Bros. Co., Odebolt, Iowa. The 34 futurity heifers averaged $509, with the 13 pens of three heifers at $512, and the 111 females in the sale made a general average of $475. The 59 futurity bulls averaged $766, with 124 bulls in the open class at $466 each and the 183 bulls at a general average of $544. The 294 head sold for $150,340, making a general average of $511. Cattle went to buyers in 10 states, with one going to Canada. They were distributed as follows: Iowa 123, Wisconsin 1, Illinois 3, Ohio 3, South Dakota 3, Missouri 2, North Dakota 2, Alabama 1, Tennessee 1, Minnesota 4. Auctioneers, A. W. Thompson and J. E. Halsey.

The Iowa Hereford Cattle Breeders Association sale, held at Sioux City, Iowa, January 4, attracted a fair-sized crowd, considering the hazardous weather that prevailed. Emil Rezac, Tabor, S. D., judged the show, which was held the afternoon of January 3. Merlyn Smith, Newell, Iowa, won both the bull and female championships, the champion bull being Royal Comprest 4th and the champion female Bonnie Comprest, both sired by Comprest Lad 807th and both from Belmond Domino dams. The reserve champion bull, Baron B. Mischief 45th, exhibited by Elmo Bush & Son, Lake Park, Iowa, topped the sale at $1,000, going to C. W. Samuelson, Webb, Iowa. Dr. Hadleigh D. Hyde, Sioux Falls, S. D., purchased the champion bull for $650. Ed Gosch & Son, Arthur, Iowa, paid $500 for the champion heifer, and he gave $750 for the reserve champion, a daughter of Mischief Stanway 244th, consigned by John Siehl & Son, Grinnell, Iowa. J. C. Stevenson, Carson, N. D., and Ray Delanty, Onawa, Iowa, were heavy bull buyers, with Doctor Hyde purchasing several of the better females. Bill Imlau, secretary of the Iowa Beef Producers, was in charge of the 4-H and FFA judging contest, which had a rather small turnout, with the winners of the first three places being Dean Anderson, Alden, Iowa; Stanley Risvold, Linn Grove, Iowa, and Jim Bradford, Fonda, Iowa. The sale was under the able management of F. W. Ketelsen, Everly, Iowa. The 56 bulls sold for an average of $392, with the 21 females selling for an average of $272, making a general average of $359 on the 77 lots. Freddie Chandler was the auctioneer.

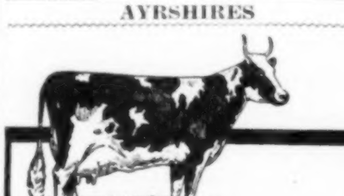
The fourth annual East-Central Iowa Hereford Breeders show and sale, Davenport, Iowa, January 5 and 6, under the able management of Roy Wiese, was most successful. The awards were made on January 5 by Allen Rush, of Hi-Point Farms, Romeo, Mich. The grand champion bull was Twilite Lad 2, shown by Lysle Eichelberger, Letts, Iowa, and sold for $750 to Vernon Brown, Laurel, Iowa. The reserve championship went to RA Silver Real 3d, a choice January calf by Silver Real, owned by Roy Wiese, Donahue, Iowa, and sold for $765, the top of the sale, to Wm. Finkenbinder, Wyoming, Iowa. True Mold Michief 3d, from the F. Max Schomberg farm, went at $700 to H. G. Tank, Stockton, Iowa. E. Donation 12th TW, owned by Lyman E. Meyer, Bellevue, Iowa, sold for $625 to Joseph Anglen, Zwingle, Iowa. Bruce Triumph, owned by Gilbert Cornelius, sold for $620 to Herbert Westphal, Onslow, Iowa. H. & D. Tone Lad 256th, a son of H. & D. Tone Lad 175th, from Hillandale Farm, Muscatine, Iowa, went at $600 to Robt. W. Rock, Dixon, Iowa. The champion female, Jenny Domino, was shown by Frank Hubbard, DeWitt, Iowa, and sold for $585 to Don Brunscheen, Wyoming, Iowa. The reserve champion female was Queen Battle, owned by H. L. Schooley, West Liberty, Iowa, and sold for $350 to Steve Varner & Son, Monticello, Ill. Capitola Donation, the Lyman E. Meyer entry, sold for $460 to H. W. Grunder, Wilton Junction, Iowa. Lady M. Mischief, from the J. H. Doerfer herd, Muscatine, Iowa, sold for $475 to Frank and Leonard Neff, Grand Mound, Iowa. The 49 bulls averaged $418, with 32 females at $335 and the 81 lots at a general average of $385. They were distributed as follows: Iowa 76 and Illinois five head. Auctioneer, Guy Pettit.

The H. Sheldon Duvall Hereford sale, Carroll, Iowa, January 7, was well attended, and they sold 11 bulls at an average of $311 per head, the top being the Sheldon herd bull, Nu Aster Bo Tone, and he went to Everett Block, Audubon, Iowa, at $600. Joe Trimbull, Galva, Iowa, secured Princeps Real Domino at $390, and Ref. Beau Aster went to Frank Jones, Dunlap, Iowa, at $350. The top cow was Lady Domino 449th, and she went to Joe Fitzgerald, Melbourne, Iowa, at $310, who also took No. 22 at $305. John Fitzgerald, Roland, Iowa, secured No. 19 at $275. The Fitzgeralds were good buyers in this sale and secured some of the best cattle. Other good buyers were Albert Schriber, of Battle Creek, Iowa; Melvin Reiman, Yetter, Iowa; Paul Roberts, Yetter, Iowa; H. B. Burleigh, Lake City, Iowa; Ray Pollard, Vail, Iowa; John Avamme, Irwin, Iowa, and others. Col. Fred Chandler did the selling.

Sale Canceled

The Polled Shorthorn show and sale scheduled for Cedar Rapids, Iowa, February 15, has been canceled, according to word from Earl S. Girton, sale manager. Lack of a suitable number of entries prompted the cancellation. There will be a sale at Spencer, Iowa, March 14, under Mr. Girton's management.

AYRSHIRES



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PELLA, IOWA

BUY BONDS! — SAVE MONEY!

HARDPAN PETE

It'll Take a Smaller Mesh Than That, Pete

R. E. RAMTHUN

HOLSTEIN DISPERSAL

47 REG. HOLSTEINS

28 Cows — 8 Heifer Calves
8 Yearlings — 2 Bull Calves
1 Herd Sire

A CHOICE HERD

The animals are of good type and of popular breeding. Several of the cows are by Femco Paul Piets, an 800-lb. grandson of Pride of Sir Piets; Grovehill Man-O-War Carnation; Man-O-War Progressor 15th and King Bessie Fobes Dixie 27th.
Most of the cows are recently fresh and a few to calve soon. The cows are good producers and carry good udders.

CALFHOOD VACCINATED

All but a few of the older cows have been calfhood vaccinated. The herd is Bang's tested. No reactors.

TUESDAY, FEB. 15

1:00 P. M. At the farm on Highway 25, 4 miles south of

BUFFALO, MINN.

EASY TERMS
MINNESOTA SALES CO., Clerk
For catalog write
G. R. MELIN
4529 Bryant Av. S. Minneapolis

LOUDEN'S

DUROC AUCTION

Sale at Farm

GRINNELL, IOWA, FEB. 19th

50 outstanding gilts by some of the breed's most outstanding sires, **CONSTRUCTION LAD, SUPREME SPOTLIGHT,** and others. Mated to **BLUE TOP,** prize winner at Illinois; and **THE BALANCER,** a Junior yearling winner at National Barrow Show. Good type and quality. **COME.** Ask for **FREE** catalog. Please mention this publication.

LOUDEN BROTHERS
Grinnell, Iowa

Spotted Poland — SALE —

GRAETTINGER, IOWA
WEDNESDAY, FEBRUARY 16th

40 Choice Bred Gilts

One of the top offerings selling this winter. They are low-set, heavy hammed, and possess lots of length. They are sired by **ROCKER** and **FOUNDATION.** Bred to **PROGRESSOR,** top boar in the Alvin Sunderman fall sale and to **FOREMOST,** by the noted Meyer boar, Sonny Boy. A grand offering that will please the farmers and breeders. Plan now to attend. Kindly mention this paper when writing for **FREE** catalog.

SPIES & LEIN
Graettinger, Iowa

Annual Bred Sow Sale

Poland Chinas

New Heated Sale Pavilion on Highway No. 136

DYERSVILLE, IOWA, FEB. 7th

40 Choice spring gilts, and 5 fall boars, 10 fall gilts, sired by **WIN GOLD,** and the champion, **REVELATION.** Gilts bred to **PURE DIAMOND** and **A. WONDER,** two of the greatest show and breeding boars. Best in breeding and quality. **COME.**

O. J. HESS & SON
Worthington, Iowa

MEYER'S

Duroc Sale

Fair Grounds Pavilion

BLUE EARTH, MINN., FEB. 17th

45 HEAD

A choice lot of gilts well grown, rich in pedigree, pleasing in type and ideal quality. Mostly bred for March and April farrow. Bred to **TRUE MOLDER,** a full brother to Fleet-line and other bred to **SMOOTH PRINCE,** our proven sire. **COME.** Ask for **FREE** catalog. Kindly mention this publication.

WM. MEYER & SON, BLUE EARTH, MINN.

Advertisement

From where I sit ... *by* Joe Marsh

It's *Your* Fight, Too!

Bing Crowley was "beefing" the other day about all that Our Town's doing in the way of sending food and clothes to Europe. Bing felt those struggling democracies should look after themselves.

But most agreed with Judge Cunningham who said: "So long as any family or individual in Europe is holding the line for freedom—*against the forces of intolerance*—it's common sense, and common decency, to help 'em."

Because that's *everybody's* fight: To see that individual freedom is preserved in every aspect, big or little—whether it's the right to vote, or the right to enjoy a temperate glass of beer or ale with friends.

And from where I sit, no liberty is too small to be overlooked. Because the minute one small freedom is threatened, all the others are in jeopardy—just as the minute one small country *loses* freedom, all its neighbors are in danger!

Joe Marsh

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MATT LOCATIS AND SONS SALE

HAMPSHIRE BRED SOWS

60 Head—The Greatest Offering We Have Ever Sold

Fort Dodge, Iowa
FEBRUARY 21

60 Head of Really Top Gilts

We think we are selling one of the top offerings of the winter season, and one of the best offerings that we have ever sold since we have been in the business. These are sired by **GOLD DUST** and **NEWS FLASH,** and are bred to **NEWS FLASH** and **SAFE BET,** he being the boar we bought of Ernest Wilhoit & Son. He was the top boar in their sale at $700, and is the son of Miracle, the boar that sold last fall for $2,000. These gilts are well grown out, and we think as good as anything we have ever sold in the past. We are selling a litter mate to Safe Bet, and we doubt if a better gilt will be sold in any sale this winter. She is carrying a March litter by **NEWS FLASH,** and she is a real one. You will certainly want to see our catalog this time. When writing for it kindly mention Wallaces' Farmer and Iowa Homestead. Send your bids to M. T. White, Homestead representative, in our care. Address

MATT LOCATIS AND SONS — **FORT DODGE, IOWA**
Auctioneer, John Hall — M. T. White, Homestead Representative

Big Hampshire Sale

In 4-H Sale Barn

NEVADA, IOWA, FEB. 11th
50 Top Spring Gilts

One of the top lots of gilts to sell this season. Several by **OUR CHIEF JR.** and other top gilts by **SELECT, REVELATION, BLOCK BUSTER, WINNERS SALUTE** and others. Breeding unexcelled. Mostly bred to our senior sire, **OUR CHIEF JR.,** a son of Our Big Chief, out of a Sunshine Victory Dam. The gilts by **OUR CHIEF JR.,** and a few others will be bred to **DOMINATOR,** a top son of Block Square out of a Glory Bound dam; he was 2d top pig in the Harry Knabe sale, a litter mate to the top boar selling for $1,625.00 to John Kaster. Good type, quality and merit. Come. Ask now for **FREE** catalog. Please mention this publication.

DANIELSON BROS., NEVADA, IOWA

Outstanding Hampshires

Central Iowa Fair Grounds

MARSHALLTOWN, IOWA, FEB. 16th

50 Choice, well grown gilts, with style, quality and merit. Bred to **STYLEMASTER,** a top individual and outstanding sire who has proven his worth. His sons head the best herds, and **LUMBERJACK,** one of the truly great sons of Steamer Bound. You will like the offering. **COME.** Ask now for **FREE** catalog. Kindly mention this publication.

RAYMOND E. DAGGETT, CONRAD, IOWA

—SAVE MONEY THE EASY WAY—BUY SAVINGS BONDS NOW—

Annual Central Iowa Breeders

CHESTER WHITE SALE

SHOW: 9:00 a.m. • SALE: 1:00 p.m.
Heated pavilion, fair grounds

DES MOINES, IOWA
FEBRUARY 21, 1949

50 BRED GILTS

5 Fall Boars — 5 Fall Gilts

Selected from 20 prominent herds, high quality, many are out of champions and several are bred to champions. They are prolific and real mothers. **CHESTER** barrows won more champions than any breed in National shows. Good blood lines, the quality will please. Come. Ask for **FREE** catalog. Kindly mention this publication. Address

RUSSELL G. McBRIDE, Secy.
2005 School Street DES MOINES, IOWA

YORKSHIRE SALE

Judging Pavilion, State College

NORMAL, ILLINOIS, FEB. 12th
12:30 P. M.

35 CHOICE BRED GILTS
5 GOOD OPEN GILTS

A National consignment of top quality, selected from the best herds, rich in breeding. They will please. **COME.** Ask for **FREE** catalog. Kindly mention this publication. Address

MISS JEAN ROBERTS
McLean, Illinois

Yorkshire Sale
Bred Gilts

East Main St. Sale Pavilion

CLINTON, ILLINOIS
MONDAY, FEBRUARY 21st

Choice, well grown gilts, with real type and quality. Featuring gilts sired by or mated to **TRUMP 10A,** the sire of the Champion **YORKSHIRE** barrow at the 1948 International. **COME.** Ask for **FREE** catalog. Kindly mention this publication. Address

HULLINGER & ROBERTS
Box 208 McLean, Illinois

Annual
Iowa Hereford Hog Breeders
Bred Gilt Show and Sale

ATLANTIC, IOWA, FEB. 9th

The tops selected from the leading herds in Iowa and will be the best offering sold this winter. Good blood lines, excellent type and quality. Mated to top herd boars. **COME.** Ask for **FREE** catalog. Kindly mention this publication. Address

HARRIS SELLERS, JR., Secy.
CHARITON, IOWA

Iowa Hereford Breeders Assn.

ATTENTION

Annual Eastern Iowa
HOLSTEIN SALE
WELLMAN, IOWA, APRIL 14

Annual Eastern Iowa
GUERNSEY SALE
WELLMAN, IOWA, APRIL 20

HOLSTEIN or GUERNSEY

Breeders having good surplus cattle suitable for either sale should contact the manager not later than **MARCH 1.** Catalogs will be made.

P. M. SWARTZENDRUBER, Mgr.
WELLMAN, IOWA

When writing to our advertisers, please mention that you read their advertisement in Wallaces' Farmer and Iowa Homestead.

Coming Livestock Sales

ABERDEEN ANGUS

Feb. 14—Central Illinois Breeders Bull Sale, Congerville, Ill.; S. E. Lantz, Secy.
Feb. 15—Lamoine Valley Breeders Assn., Macomb, Ill.; Bruce Bricker, Sale Mgr.
Feb. 22—Arnold & Jay (Dispersion), Ames, Iowa.
Feb. 28—Johnston Bros. Silver Top Farms, Dispersion, Benton, Mo.; J. B. McCorkle, Mgr., A.I.U., Columbus, Ohio.
Mar. 1—Penney & James, Hamilton, Mo.
Mar. 2—North-Central Missouri Breeders, Chillicothe, Mo.; Lewis Anderson, Secy.
Mar. 3—Northeast Missouri Breeders, Memphis, Mo.; W. R. Dierks, Secy.
Mar. 8-9—Iowa State Show and Sale, Des Moines, Iowa; Gerald Parks, Secy., Ames, Iowa.
Mar. 14—Interstate Association's Show and Sale, Sioux City, Iowa; P. K. Pratt, Secy., Walnut, Iowa.
Mar. 16—Bureau County Breeders, Princeton, Ill.; Forest Olson, Secy., Wyanet, Ill.
Mar. 19—Mercer County Breeders, Aledo, Ill.; Hugh McWhorter, Secy.
Mar. 21—Wilton Farms, Otto G. Nobiling, Davenport.
Mar. 22—Night Sale, Eastern Iowa Assn., Davenport, Iowa; Oliver A. Hansen, Secy., Durant, Iowa.
Mar. 22—"The Jilt Jubilee of 1949," Columbus Jct., Iowa; Forest M. Larmer, Sale Mgr., Muscatine, Iowa.
Mar. 23—Frank Bradley & Sons, Avon, Ill.
Apr. 19—Warren County Angus Breeders Assn. sale at Indianola, Iowa; Earl F. Lohr, Secy. and Mgr., Earlham, Iowa.
Apr. 23—Central Illinois Breeders, Congerville, Ill.; S. E. Lantz, Secy.
Apr. 25—Marion County Breeders, Knoxville, Iowa; Herbert Cline, Secy., Bussey, Iowa.
Apr. 26—Iowa Southern Aberdeen Angus Sale; Richard Bell, Secy. and Mgr., Osceola, Iowa.
Apr. 27—Page County Angus Breeders Assn. Sale at Clarinda, Iowa; Lawrence Varley, M.r., Shenandoah, Iowa.
Apr. 26—Harken Farms, Osceola, Iowa.
Apr. 28—John D. and Mary Warin, Maryetest Farm, Maloy, Iowa.
Apr. 28—Maryetest Farms, John D. Warin, Maloy, Iowa.
May 6—Dr. Frank H. Rose, Albany, Mo., and M. J. McCrea, Maryville, Mo.; sale at Maryville.
May 27—Hoelscher Bros., Arcadia, Iowa; sale at Carroll, Iowa.
May 31—Tallcorn Breeders Assn., Marshalltown, Iowa; C. G. Mason, Secy., Box 243.
June 13—Wayland A. Hopley, Atlantic, Iowa.
June 14—South Central Assn., Oskaloosa, Iowa; Clyde A. Hanna, Secy., Oskaloosa, Iowa.

HEREFORDS

Feb. 7—Creston Hereford Breeders, Orient, Iowa; Lloyd H. Woods, Sale Mgr., Creston, Iowa.
Feb. 28—Annual Round-Up Sale, Kansas City, Mo.
Mar. 10—West-Central Iowa Assn., Denison, Iowa; L. S. Curran, Mgr., Floyd, Iowa.
Mar. 12—Southeast Iowa Breeders Assn., Mount Pleasant, Iowa; N. K. Hartley, Secy., Hillsboro, Iowa.
Mar. 19—Marion County Breeders Sale, Knoxville, Iowa; Walter L. Brown, Sale Mgr.
Mar. 21—Sioux City, Iowa, Iowa Hereford Cattle Breeders Assn., F. W. Ketelsen, Secy., Everly, Iowa.
Apr. 4—Clifford Bell, Jr., Pulaski, Iowa; sale at Bloomfield, Iowa.
Apr. 15—Northeast Missouri Assn., Memphis, Mo.; Geo. E. Leslie, Jr., Secy.
Apr. 22—Circle A Hereford Farm, Morris, Ill.

POLLED HEREFORDS

Feb. 10—Northwest Polled Breeders Assn., at Sioux City, Iowa; Ed Krise, Sale Mgr., Rock Rapids, Iowa.

SHORTHORNS

Feb. 8—Holm Bros. (Dispersion), Corwith, Iowa; at Webster City, Iowa; Merv. F. Aegerter, Sale Mgr., Seward, Neb.
Feb. 16—24th Annual Spring Show and Sale, South Omaha, Neb.; Merv. F. Aegerter, Mgr., Seward, Neb.
Mar. 1—Illinois State Sale, Normal, Ill.; Hal Longley, Mgr., 16 S. Locust, Aurora, Ill.
Mar. 7—Interstate Shorthorn Breeders, Sioux City, Iowa; F. E. Jackson, Mgr., Huxley, S. D.
Mar. 11—North Iowa Breeders, Mason City, Iowa; Merv. F. Aegerter, Mgr., Seward, Neb.
Mar. 14-15—Iowa State Show and Sale, Des Moines, Iowa; Chas. Garden, Mgr., R. 6, Des Moines, Iowa.
Mar. 16—Missouri State Sale, Sedalia, Mo.; Merv. F. Aegerter, Mgr., Seward, Neb.
Mar. 18—Breeders Sale, Abingdon, Ill.; Hal Longley, Mgr., 16 S. Locust, Aurora, Ill.
Mar. 24—Emory Larson (Dispersion), Harlan, Iowa, with draft from Gingery & Burns, Harlan, Iowa, and Herman Leiting, Arcadia, Iowa; sale at Carroll, Iowa.
Mar. 28—Northwest Missouri Breeders, Maryville, Mo.; James Moyer, Sale Mgr.
Mar. 29—Sioux Empire Shorthorn Club, Sioux Falls, S. D.; M. Halverson, Secy., Box 841, Sioux Falls, S. D.
Apr. 4—Southwest Iowa Breeders, Red Oak, Iowa; Malcolm D. Lomas, Secy.

POLLED SHORTHORNS

Feb. 12—T. A. Collins (Dispersion), Adel, Iowa.
Feb. 17—34th Annual Spring Show and Sale, South Omaha, Neb.; Merv. F. Aegerter, Sale Mgr., Seward, Neb.
Mar. 14—North Iowa Breeders, Spencer, Iowa; F. S. Girton, Mgr., Marshalltown, Iowa.
Mar. 17—Illinois State Sale, Normal, Ill.; Hal Longley, Mgr., 16 S. Locust, Aurora, Ill.
Mar. 28—Polled Shorthorn Club of Minnesota, Slayton, Minn.; M. H. Bassett, Secy., Rushmore, Minn.
Apr. 27—South Dakota State Assn. Sale, Sioux Falls, S. D.; Eric H. Thormodsgaard, Sale Mgr., Hudson, S. D.

MILKING SHORTHORNS

Feb. 22—Shaver and Pisen Herds, New Providence, Iowa; sale at Eldora, Iowa.

DAIRY CATTLE

Feb. 15—R. F. Ramthun Holstein Dispersal, Buffalo, Minn.; G. R. Melin, Mgr., Minneapolis.
Mar. 21—Iowa State Holstein Assn., Waterloo, Iowa; Dallas V. McGinnis, Secy., 912 Waterloo Bldg.
Apr. 14—Eastern Iowa Holstein Sale, Wellman, Iowa; P. M. Swartzendruber, Mgr.
Apr. 20—Eastern Iowa Guernsey Sale, Wellman, Iowa; P. M. Swartzendruber, Mgr.
Apr. 27—Breeders Sale (Milking Shorthorns), Council Bluffs, Iowa; H. C. McKelvie, Mgr.
Apr. 29—Iowa State Guernsey Breeders, Des Moines, Iowa; C. H. Jennings, Mgr., R. 4, Iowa City, Iowa.
June 1—Breeders Sale (Ayrshires), Council Bluffs, Iowa; H. C. McKelvie, Mgr.

BERKSHIRES

Feb. 15—W. H. Zeisness & Son, Colo, Iowa.
Feb. 16—Milo V. Wolrab, Mt. Vernon, Iowa.
Feb. 17—Axel and Tom Conover, Holstein, Iowa.
Feb. 18—Robert M. Jacobsen, Hancock, Iowa.

CHESTER WHITES

Feb. 7—Ross Willey & Son, Ottawa, Iowa; sale at Stockyards Sale Pavilion, Sioux City, Iowa.
Feb. 9—A. L. Bidne & Son, Lake Mills, Iowa.
Feb. 10—Roy V. Copp, Glidden, Iowa.
Feb. 11—C. T. Keen & Sons, Legrand, Iowa.
Feb. 15—Robert A. Meyerhoff, Dunkerton, Iowa; sale at Waverly, Iowa.
Feb. 18—R. A. Riemenschneider, Kingsley, Iowa.
Feb. 19—Albert H. Stuart, Newhall, Iowa.
Feb. 21—Central Iowa Breeders, Des Moines, Iowa; Russell G. McBride, Secy., 2005 School St.
Feb. 21—B. F. Held & Sons, Hinton, Iowa; sale at Sioux City, Iowa.
Feb. 22—Westcott Bros., Denison, Iowa.
Apr. 20—Nick Terpstra & Sons, New Sharon, Ia.

LIVESTOCK FIELDMEN

M. T. WHITE, 604 No. Fortieth St., Omaha, Nebraska. Phone Walnut 1056.
J. E. HALSEY, 1912 Grand Ave., Des Moines.
M. W. BONEY, Box 740, Storm Lake, Iowa; Phone 970-R.

We publish the FIRST and THIRD Saturday of every month. Copy for livestock advertising must reach our office FIFTEEN days before date of issue.

Around the Farm AND IN THE Feed Lot

by HOWARD MARSHALL

STORM LOSSES ranged from light to moderately heavy during the January blizzard that brought up to 45 inches of snow in Nebraska, Wyoming, Colorado and South Dakota, with drifts 20 feet high at some points and with lots of stranded motorists and travelers. Sheep seem to have been hit the hardest. The snow was bad, but fortunately temperatemperatures early in the month held up remarkably high, thereby saving thousands of animals. However, later cold days without feed weakened many animals and resulted in lots of gaunt looking "critters."

WHAT ARE HOG PRICES going to do this year? We wish we knew the answer, but probably it's better that we don't. Best estimates now are that we will see a 13 to 15 per cent increase in spring pig farrowings. If that happens, and if we have a fairly good spring in which to raise them, we can probably expect a dip of 15 to 20 per cent in prices later this year or early in 1950. However, efficient producers will still profit.

FARROWING TIME is getting pretty close on a lot of farms. Realizing that it's the saving of large litters of pigs that helps to cut down production costs, we urge that farrowing pens and houses be cleaned out and thoroughly disinfected, guard rails and electric brooders or other artificial heat be arranged for, and every precaution taken to have things ready when the young porkers arrive.

IT IS GENERALLY known that where there is an abundance of corn, livestock men are prone to feed too much of it. This could be true in those brood sows that are carrying those spring pigs for this year. Be sure to feed them a balanced ration. It is a good plan to use Walnut Grove in the ration, as these men do in Kossuth county, Iowa: Mike Pheiffer, Louis Sink, Alex Eishen and Son, Rasmussen Bros., Fred Eden, Henry Doarchs, Jr., and Laurens Kirsch. These men receive their Walnut Grove service through our representative in that territory, Mervin Fain, of Algona.

"AMERICAN AGRICULTURE in World Affairs" is the theme for the eleventh annual National Farm Institute, to be held in Des Moines, February 18 and 19. It sounds like an interesting session, with emphasis placed on exports, government policies, soil conservation, nutrition, labor trends and industrial uses of farm crops.

WEEDS CAUSE a staggering loss to the nation's farms. Nationally the loss is estimated at more than three billion dollars. In Iowa weeds claim about 50 million dollars a year in crop damage, poisoning of livestock, and, in addition, spoil a lot of farm beauty. Right rotations, careful cultivation, good farm management, along with correct use of new weed chemicals, will help farmers reduce weed losses greatly in 1949.

TOO MUCH CAN NOT be said for balanced feeds for livestock. Home grown grains will not do a complete job. Neither will proteins or mineral, but when they are properly balanced, usually healthy livestock is a result. Walnut Grove is a good mineral with which to balance home grown grains. In Fayette county, among others who believe in this theory, are Chas. James, Chas. Moshier, Elmer Fenner, Clarence Law, Fred Duckett and Carl Baker. Our representative in this territory is Charles Logan, of Oelwein.

WE'RE STILL NOT "over the hill" as far as shortages of many farm items go. Dale Hull, Iowa State College engineer, urges getting wire fencing, nails, staples, bale ties, bolts and other things which are made from critical materials, at the first opportunity. Controls of iron and steel may enter the picture again this year—so let's get ahead of the rush.

THE COVETED "American Farmer" degree, one of the highest awards offered in FFA circles, was conferred on one of our youthful Walnut Grove users at Kansas City last fall. He is Kenneth Koertner, of the Pearl City FFA chapter in Stephenson county, Illinois. Ken has won 122 firsts and 32 grand championships in his five years of showing Duroc Jersey hogs and Holstein heifers in FFA and 4-H projects. He farms with his father, Harry.

BETTER MILKING CLINICS are now in progress in Iowa—and a highly worthwhile undertaking they are. The clinics are sponsored by the Iowa State College and stress exhibits and demonstrations that help improve milk quality, control disease, and make more profit for dairymen. Importance of the clinics is seen in the fact that mastitis takes an annual estimated Iowa toll of $8,000,000.

THE OUTSTANDING QUALITY of Walnut Grove Minerals for livestock has been firmly established in the Corn Belt for many years. This is the quality that demonstrates its usefulness in customers' feed yards. Livestock farmers of Allamakee county, among many others who use Walnut Grove in all their feeding rations, include Herbert Zimmerman, Henry Lippie, Leo Promitz, Clarence Karndt, George Stern, Rodney Berg and George Gelo. Our representative who looks after this business for us is Charles Schellhammer, of Lansing, Iowa.

FOXES AND WOLVES have again been claiming large numbers of livestock the past year, especially lambs and young pigs. The situation has become so bad in some areas that wolf and fox hunts are being conducted this winter, with much interest on the part of both farmers and sportsmen. In Marion and Warren counties, in Iowa, they are even arranging for some wolf hunting schools—for the hunters, that is.

CHOLERA has again raised its ugly head in Iowa. A recent report from Johnson county tells that a cholera epidemic on the Frank Grabin farm near Oxford killed 147 out of 150 hogs in the Grabin herd in less than two weeks' time. The loss figured to over $5,000. Just about the time we feel safe from plagues like this, we get a grim reminder of this nature warning us to continuously be on the vigil for animal diseases.

MANY FALL PIGS are now ready for the finishing touch to put them on the market. Corn is abundant and naturally will be used heavily. Remember, however, that balanced feeds do the best job. So balance that home grown grain with Walnut Grove Mineral like these men do in Marshall and Tama counties, Iowa: Ray Maies, Myron and Wendell Roseland, brothers on two farms, Harry Kalsand, Paul Stoner, Chas. Dunham and Leonard Formanek, Clyde Turbett, of Legrand, looks after this business for us.

THE FREAKIEST sort of freak litter of pigs was reported recently from Austria. An overseas dispatch told that a sow on a farm near Vienna farrowed five pigs, two of which came with two tails each, another with two tails and four ears, another with three tails and three ears, and the fifth with five legs. We're wondering a little if that last one also had five tails and five ears. Looks like Austria has set a freak pig record of some kind.

IT'S "SOUTH OF THE BORDER" for a group of young Iowa farmers and farmerettes late in February. Iowa Farm Bureau officials announced recently that some 30 Iowa Rural Youth members are planning a two weeks' tour that will take them by plane to San Antonio and then by bus into Old Mexico, where they will see Mexican farm areas, Aztec ruins, old cathedrals, Mexico City, Monterey and some "hoof and mouth" disease areas.

Walnut Grove Minerals

SOLD ONLY BY DEPENDABLE REPRESENTATIVES
HOME OFFICE ATLANTIC, IOWA

Coming Livestock Sales

(CONTINUED)

DUROC JERSEYS

Feb. 7—Elmer Willey, Vincent, Iowa.
Feb. 8—W. H. Helmke & Sons, Renwick, Iowa.
Feb. 9—M. J. Howlett & Sons, Britt, Iowa.
Feb. 11—Walter Riebelsell, Calumet, Iowa.
Feb. 11—A. B. Thomas & Son, Iowa City, Iowa.
Feb. 12—Melvin Jensen, Everly, Iowa; sale at Spencer, Iowa.
Feb. 12—J. C. Holbert, Washington, Iowa.
Feb. 14—Willard Kline, Iowa Falls, Iowa.
Feb. 17—Wm. Meyer & Son, Blue Earth, Minn.
Feb. 22—Bert Brook & Sons, Sioux Center, Iowa.
Feb. 25—Henry F. Krull, Buffalo Center, Iowa.
Feb. 28—Night Sale, Lucas County Durroc Breeders, Chariton, Iowa; Raymond Airy, Secy., Derby, Iowa.
Mar. 2—Juhl Bros., Luverne, Minn.
Mar. 22—Knotek Bros., Riverside, Iowa, and Harold C. Timm, Muscatine, Iowa.

HAMPSHIRES

Feb. 8—Lettow Bros., Alden, Iowa; sale at Iowa Falls, Iowa.
Feb. 9—Robin Lane Farm, Hampton, Iowa.
Feb. 11—Danielson Bros., Nevada, Iowa.
Feb. 16—Raymond E. Daggett, Conrad, Iowa; sale at Marshalltown, Iowa.
Feb. 17—Maurice Weitz, Webster City, Iowa.
Feb. 21—Matt Locatis & Sons, Ft. Dodge, Iowa.
Feb. 22—George Lippold & Sons, Avoca, Iowa.
Feb. 23—Albert Larson, Ayrshire, Iowa.
Mar. 3—Emmet Conway, Dakota City, Neb., and W. E. Flippin & Son, Burbank, S. D.; sale at Sioux City, Iowa.
Mar. 5—Field & Christiansen, Nora Springs, Iowa; sale at Osage, Iowa.
Mar. 8—Howard Soenholtz & Son, Melbourne, Iowa; sale at Marshalltown, Iowa.

HEREFORD HOGS

Feb. 9—Iowa Hereford Hog Breeders, Atlantic, Iowa; Harris Sellers, Jr., Secy., Chariton, Iowa.

POLAND CHINAS

Feb. 5—Brown & Brown, Hampton, Iowa, and Paul Bahr, Iowa Falls, Iowa; sale at Iowa Falls.
Feb. 7—O. J. Hess & Son, Worthington, Iowa; sale at Dyersville, Iowa.
Feb. 9—Oscar D. Larson, Clarion, Iowa.
Feb. 12—Iowa Poland China Breeders Assn. Show and Sale, Des Moines, Iowa; Fred W. Morgan, Secy., 5801 College Ave.

SPOTTED POLAND CHINAS

Feb. 7—Karl E. Carlson, Lakefield, Minn.; sale at Spencer, Iowa.
Feb. 8—Fred F. Goodchild & Sons, Mallard, Iowa.
Feb. 9—Earl Kellogg & Sons, Winfield, Iowa.
Feb. 12—F. L. Jackson & Sons, Lytton, Iowa; sale at Sac City, Iowa.
Feb. 14—Gerrit J. Kempers & Son, Hull, Iowa.
Feb. 15—R. L. Muench, Ionia, Iowa; sale at Nashua, Iowa.
Feb. 17—Eugene J. Rath, Missouri Valley, Iowa; sale at Colfax, Iowa.
Feb. 19—L. C. Marty & Sons, Luverne, Iowa.
Feb. 28—A. Logan & Sons, Pipestone, Minn.; sale at Edgerton, Minn.

YORKSHIRES

Feb. 10—Dr. W. J. Huls, Davenport, Iowa.
Feb. 21—Bullinger & Roberts, Clinton, Ill.; Box 208, McLean, Ill.
Feb. 26—Yalehurst Farm, Peoria, Ill.

SHEEP

Feb. 10—H. P. Queck and Paul Frederick (Shropshire Dispersion), Orient, Iowa.

● **Excellent educational and descriptive material on these subjects is offered to you by advertisers in this issue. Write direct to the manufacturers whose advertisements appear on these pages for your copy of this information.**

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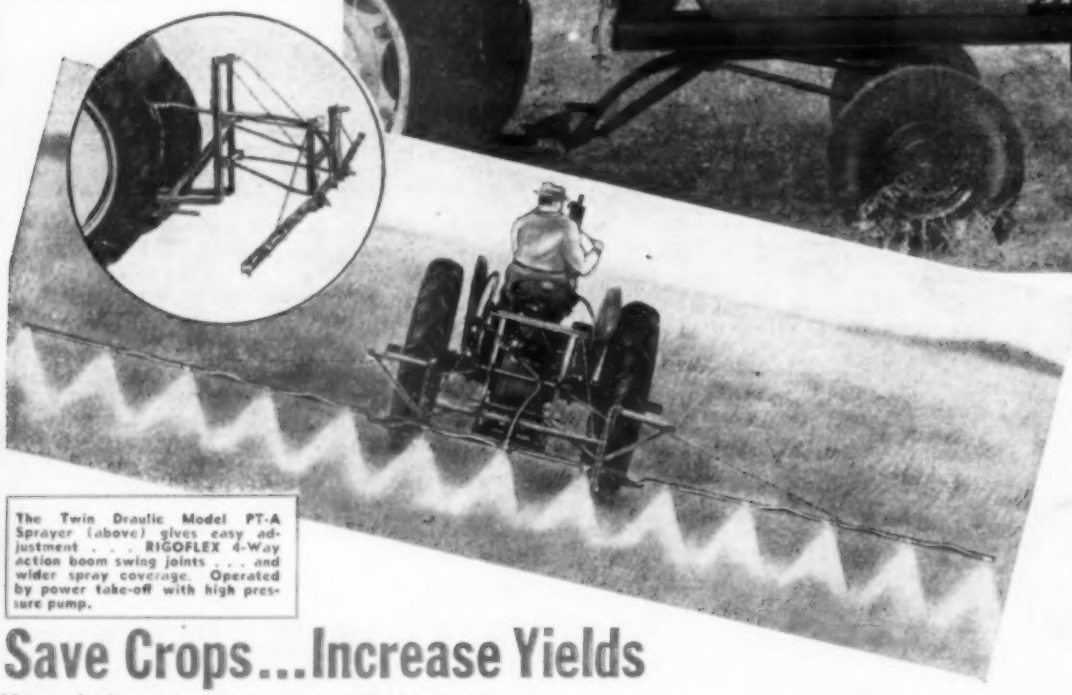
New, Improved *Twin Draulic* SPRAYERS

Help Farmers KILL Weeds, Corn Borers, Grass Hoppers

- *High and Low Adjustable Pressures*
- *Reinforced Boom gives rigid boom spraying with 4-Way Swing-joint safety and satisfaction*
- *Boom height Adjuster*
- *Power Take-off or Self Powered*
- *33 ft., 23 ft. & 5-row Booms*

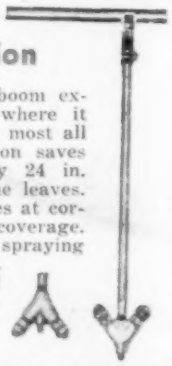
Above picture of Model E-200 shows large capacity tank mounted on high clearance Trailer. Self powered for uniform distribution and equipped with Twin-Ezy Boom Adjuster. 23 ft. or 33 ft. boom with low gallonage nozzles.



The Twin Draulic Model PT-A Sprayer (above) gives easy adjustment . . . RIGOFLEX 4-Way action boom swing joints . . . and wider spray coverage. Operated by power take-off with high pressure pump.

Drop Extension

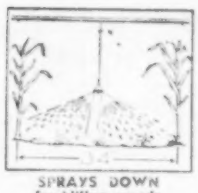
Reversing adapter with boom extension puts the spray where it does the most good. Fits most all booms. Flexible connection saves breakage. Extends spray 24 in. below boom and under the leaves. Holds two standard nozzles at correct angle to assure full coverage. Absolutely necessary in spraying corn or other row crops. Sprays 2,4-D down to kill weeds. Sprays DDT upwards to kill corn borers.



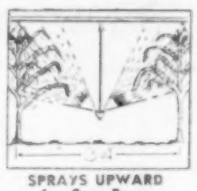
Save Crops...Increase Yields

Never before has so much practical spraying experience governed the engineering of an all purpose, rugged, geared-to-the-farm sprayer. Thousands of acres were sprayed last year. Improvements in construction give farmers a more efficient sprayer at a price that fits the pocket book. Now, you cannot afford to be without a Twin Draulic Sprayer. Your sprayer assures a new easy way to Kill Weeds, Corn Borers or Grass Hoppers. Saves Crops and Increases Yields.

There is a Twin Draulic Sprayer to fit your tractor . . . easy to put on or hitch up to when weeds or corn borer troubles come up. Colleges, county agents, weed commissioners and neighbors are up in arms about weeds and corn borers. Join the happy farmers who get greater efficiency, save time and chemicals with Twin Draulic. See your Twin Draulic Dealer for full details and low prices.



SPRAYS DOWN for killing weeds



SPRAYS UPWARD for Corn Borer

Twin Draulic Power LOADERS

Model C Twin Draulic Loader fits all row crop tractors for loading, lifting, scraping and stacking

Model 4-W Loader fits large and small 4-wheel tractors. Ford, Ferguson, Case, International, etc.

Fit Over 88 TRACTOR Models To SAVE WORK All Year Around

There is a Twin Draulic All Purpose Loader carefully engineered to fit your tractor and to do heavy lifting, scraping, loading, stacking and other farm work. Over 88 tractor models can now be fitted with a Twin Draulic Loader. No other loader gives you "adjustable power" provided by the patented variable lifting mechanism for height and power. No other loader so completely distributes the weight of the load over the entire tractor to provide greater traction on the rear wheels. No other loader is put on or taken off the tractor so quickly and easily. No other loader has twin balanced (yoked) hydraulic lifting with such finger tip control.

TRUCK DUMP

Completely new and improved, heavy duty **Twin Draulic Truck Dump** hoists the load to a steep (45°) angle for fast unloading. Large hydraulic cylinder centered under the truck body (out of the way). Fits any truck or truck body. Power take-off operates hydraulic pump that is built onto the cylinder (does away with cumbersome hoses) with finger tip control.

Hand Boom

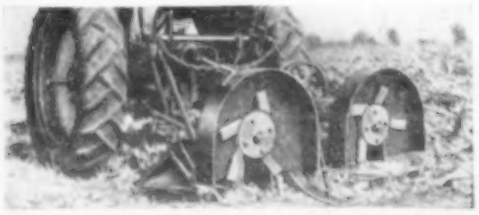
Light weight, 1-Nozzle or 2-Nozzle Hand Booms have trigger spray controls. Easily handled for spraying around buildings, trees, fence rows or treating cattle and for fly control. Long handle keeps spray away from operator. Low priced.

Twin Kill WEED Destroyer

Tried, tested and approved formulations of 2,4-D **Ester** or **Amine** to do a weed killing job that saves crops and increases yields. Corn, small grain, pastures, fence rows are easily cleared of broad leafed weeds with **Twin Kill 40** (Amine). Woody plants are killed, pastures and fence rows are cleared of weeds with **Twin Kill Ester.** 2,4-D is recommended by leading authorities.

SPRAY NOZZLES

The most important part of enjoying spraying success is the nozzles. Twin Draulic nozzles are individually tested and guaranteed for uniform spray and correct capacity. Replaceable tips and strainers assure efficiency. 5, 10, 15, 20, 30 and 40 gak per acre capacities. FS (flat spray) nozzles for 2,4-D. CS (Cone Spray) nozzles for corn borer, grasshoppers, etc., have stainless steel tips for longer wear. Get new, low prices.



Improved STALK PULVERIZER

New features of construction make the **Twin Draulic Stalk Pulverizer** more efficient for corn borer control. Swinging hammer-knives cut, shred and pulverize stalks for corn borer control and ease in plowing. No side wheels to drag or clog assures speed and efficiency. See the Twin Draulic Stalk Pulverizer at your dealers. Get the jump on Corn Borers.

TWIN DRAULIC INC., Dept. W-2, LAURENS, IOWA

Please send me free information on the equipment checked below:

☐ Twin Kill ☐ Spray Nozzles ☐ Hand Boom ☐ Self Powered Sprayer ☐ Power Take-off Sprayer ☐ 4-W Loader ☐ Model C (Row Crop Tractor) Loader ☐ Stacker ☐ Stalk Pulverizer

Name .....

Post Office .....

R.F.D. ..... State .....

Make of Tractor and Truck .....

LIBRARY

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